**THE ENVIRONMENTAL ASSESSMENT SCHEME**

**Version 3. 2018**

**Table of Contents**

[1. Overview 2](#_Toc269735)

[2. Background 2](#_Toc269736)

[3. Emissions to Air – Existing Sites 3](#_Toc269737)

[4. Discharges to Water – Existing Sites 4](#_Toc269738)

[5. Water Abstractions 6](#_Toc269739)

[6. Water Impoundments 9](#_Toc269740)

[7. Management of Waste 9](#_Toc269741)

[8. Calculating the Environmental Score when there is No Data 11](#_Toc269742)

[Appendix B1: Air Factors 13](#_Toc269743)

[Appendix B2: Water EQS Values Used for SPRI & Non-SPRI Sites 17](#_Toc269744)

[Appendix B3: Detailed Guidance on How to Treat Abstractions 28](#_Toc269745)

[Appendix B4: Waste Distribution of EWC 34](#_Toc269746)

# OVERVIEW

1.1 This Document describes SEPA’s Environmental Assessment Scheme (EAS). It provides the record of how SEPA calculates the Environmental Assessment Scheme Scores (Environmental Scores).

1.2 SEPA will use the Environmental Scores as a means of summarising the environmental significance of activities. We will also use the score as the basis of calculating the Environmental Component of the charges under the Environmental Regulations (Scotland) Charging Scheme 2018.

# BACKGROUND

2.1 This document explains how the EAS calculates an Environmental Score for the following environmental categories:

* emissions to air (Section 3),
* discharges to water (Section 4)
* sewage discharges made by a public utility to water (also Section 4),
* water abstractions (Section 5),
* water impoundments (Section 6), and
* waste management (Section 7).
  1. Where it is not possible to use the methodologies outlined above Section 8 describes how the Environmental Score is to be calculated.
  2. The EAS calculates the scale of any discharges in an environmentally meaningful way. The Environmental Score is based upon the scale of an activity, which is then modified using a measure of environmental significance.
  3. This allows the comparison of the environmental significance of activities within environmental categories, but not across them.
  4. Environmental Scores are likely to decrease if an operator reduces the scale of pollutant discharges / water abstracted, etc. The Scores are likely to increase if the scale of activities increases (and there is no corresponding increase in abatement techniques).
  5. The EAS is only applied to larger scale activities with significant levels of releases / abstraction or waste throughputs. This is because such sites
* have good data available; and
* are typically responsible for the bulk of the emission, abstraction, impoundment and waste throughput.

* 1. The scale of emissions, abstractions, impoundments and waste throughput from such sites covers many orders of magnitude, with typically a very small number of activities that operate at a very large scale. We have used a square-root transformation of the data to “flatten out” the spread of data. This reflects more accurately the amount of effort we use in monitoring and regulating such emissions.
  2. Activity Types that potentially attract an EAS score are listed in the Table in the Schedule to the Charging Scheme. Environmental scores are calculated for all relevant environmental categories using all relevant emissions, abstractions, waste throughputs and so forth from all activities included in the authorisation.
  3. The EAS uses three years’ emissions, discharges or waste throughputs - or the limits in the authorisation - to calculate the Environmental Score for each Environmental Category. Four years’ emissions are used in some cases where three years’ data are insufficient.
  4. **Use with SEPA’s charging scheme.** A key use of the Environmental Score is as an input to the Environmental Regulation (Scotland) Charging Scheme 2018. The Environmental Score is used to calculate the Environmental Component of the charging scheme.
  5. A Table of Environmental Scores will be published using this methodology for all authorisations that qualify for an Environmental Score. This will be used for deriving the Environmental Component element of the charging scheme for the period 2018/19, 2019/20 and 2020/21. This uses the methodology outlined here and discharge data over the period of 3 or 4 years, or authorisation conditions in place shortly before the time of publication.
  6. The following sections describe how the scheme derives an Environmental Score for releases to each environmental category – and how the Table of Environmental Scores was derived.

# EMISSIONS TO AIR – EXISTING SITES

## Calculation of Environmental Score to air

3.1 In order to calculate the Environmental Score for emissions to air, the following steps are applied:

Step 1 Calculating the emission

3.2 We use the emission data for the authorisation as reported to SPRI.

3.3 The average mass (kg) released for each pollutant is calculated over a three year period.

3.4 Where the released amount is below the SPRI Reporting Threshold (BRT) then we use half the SPRI threshold for that year unless all 3 years are BRT in which case we take them as zero for that pollutant.

Step 2 Assessing the environmental significance

3.5 Divide the mass emission for each pollutant calculated in Step 1 by the relevant air pollutant threshold given in Appendix B1 to give a score for each individual pollutant. These thresholds are derived from one of the following:

* the Environmental Assessment Level (EAL) - from table B5 of H1[[1]](#footnote-1) annex F 2011;
* using the methodology set out in table B7 of H1 annex F 2011 using the HSE EH40;
* a factor based on the GHG potential - H1 2003;
* a factor using a similar threshold found in the EA's charging scheme (July 2014);
* OSHA occupational exposure limits and then the methodology set out in table B7 of H1 annex F 2011 but using OSHA data rather than HSE EH40; or
* from another assessment.

Step 3 Summing the pollutant scores

* 1. Any score for a pollutant with a value below one is discarded as not being significant. The remaining scores are summed to give a total score for the air emissions for the authorisation.
  2. Note for those pollutants identified as VOC’s in Table B1-1 then the max of NMVOC/threshold or the sum of Individual VOC/Individual is taken (in order to avoid double counting).

Step 4 Rescaling the data

* 1. Take the square root of the total score in Step 3 to give the Environmental Score for emissions to air. This is to better reflect the level of work for sites since it does not increase linearly. This “relative” number can still be used to compare the scale of overall emissions to air from different authorisations in an environmentally meaningful way.

# DISCHARGES TO WATER – EXISTING SITES

## Calculation of Environmental Score to Water

4.1 In order to calculate the Environmental Score for emissions to water, the following steps are applied:

Step 1 Calculating the discharge

For SPRI Reported Pollutant emissions:

4.2 Use the emission data reported to SPRI or emission data calculated from our sampling data for the authorisation where SPRI data are not available The

average mass (kg) released for each pollutant is calculated over a three-year period.

4.3 The average mass (kg) released for each pollutant is calculated over a three year period. Where the released amount is below the reporting threshold (BRT) for any year it is assumed to be half the SPRI threshold unless all 3 years are BRT in which case we take them as zero for that pollutant.

For Pollutant loads not reported via SPRI:

4.4 The discharge concentration is calculated from the three-year average discharge concentration of the samples we take. Where fewer than six suitable samples are available, a four-year average is used.

4.5 The annual discharge flow is derived from one of the following (in order of priority):

1. Measured flows provided by operators or SEPA, **and** recorded on SEPA systems used for the charging scheme;
2. For public sewage treatment works, by taking the population equivalent (PE) multiplied by 365 days x 414 litres / day (this value is based on an assessment of the relationship of PE for STW where there are measured flow rates);
3. Using 75% of the mean daily flow limit;
4. Using the dry weather flow; and
5. Population equivalent data if recorded on the SEPA system.
6. Taking the bottom of the charge band used in the 2015/2016 charging scheme for the discharge. Therefore when the authorised discharge is between the bottom and top bands indicated in the following table then the bottom of the band is used.

|  |  |  |
| --- | --- | --- |
| Previous Volume Band | Bottom (cubic meters) | Top (cubic meters) |
| Vp1 | 0 | 5 |
| Vp2 | 5 | 20 |
| Vp3 | 20 | 100 |
| Vp4 | 100 | 1,000 |
| Vp5 | 1,000 | 10,000 |
| Vp6 | 10,000 | 50,000 |
| Vp7 | 50,000 | 150,000 |
| VP8 | 150,000 |  |

* 1. The annual mass emission for each pollutant is then calculated by multiplying the concentration by the annual discharge flow. The mass should be converted to kg.
  2. For freshwater fish farms some allowance is made for influent pollution levels by assuming concentrations are at 50%. This figure is being assessed.

For combined sewer overflows

* 1. Insufficient flow or concentration data is available to properly calculate the pollutant mass emission for combined sewer overflows directly. Consequently, the following approach is used:
* The pollutant mass emission from sewage networks is taken as 20% of that produced by the relevant sewage treatment works final effluent load including overflows.
* The pollutant mass emission from the combined sewer overflows at sewage treatment works is assumed to be 20% of the sewage treatment final treated effluent load.
  1. To avoid making the information overly complex these rules are applied across all of these types of site regardless of individual site configurations.

Step 2 Assessing the environmental significance

* 1. Divide the annual pollutant mass emission derived in Step 1 by the relevant water pollutant threshold to give a pollutant score for each individual pollutant.
  2. The water pollutant thresholds used are given in Appendix B2 (generally they are derived from the Environmental Quality Standard (EQS)).
  3. Any Score for a pollutant with a value below one is discarded as not being significant

Step 3 Summing the pollutant scores

* 1. The remaining scores are summed to give a total score for the water emissions for the authorisation.

Step 4. Rescaling the data

* 1. Take the square root of the total score in Step 3 to give the Environmental Score for discharges to water. This is to better reflect the level of work for sites since it does not increase linearly. This “relative” number can still be used to summarise the scale of discharge from sites in an environmentally meaningful way.

# WATER ABSTRACTIONS

## Calculation of Environmental Score for abstractions

5.1 In order to calculate the Environmental Score for qualifying abstractions, the following steps are applied.

Step 1. Calculating the abstraction

5.2 We use a combination of the licensed maximum abstraction volume and the actual water abstracted, both in cubic metres per day

5.3 If the licensed abstraction rate is above a certain threshold (2000 m3/day) and the site is not a hydro scheme which generates less than 2 MW then any complete abstraction data returns will be used as part of the score. (for avoidance of doubt hydro schemes less than 2MW have no score for abstraction but may have an impoundment score). If no abstraction data returns are submitted then the permitted licence limit will be assumed to be abstracted for the full period.

5.4 Where the submitted data return abstraction data is used then the average abstraction over the appropriate summer and winter period is calculated.

5.5 The abstraction rate used is the sum of all the abstractions covered by the authorisation; however, we only take account of water abstraction once. This is important in situations where water is abstracted many times during its passage down a cascade (e.g. a major hydropower scheme).

Step 2 Assessing the environmental significance

5.6 We use factors (listed in Table 1) based on the following criteria to define the environmental significance of the abstraction:

* length of river affected, and
* time of year that water is abstracted.

Step 3 Calculating the score

The following calculation is undertaken using the relevant factors for length of river affected (Length Factor) and time of year that water is abstracted (Seasonality Factor) listed in Table 1 below to give the Environmental Score for water abstraction. Detailed guidance on how to calculate the length affected is given under Appendix B3.

Total Score = 0.4 X (Permitted Abstraction Score) + 0.6 X (Actual Abstraction Score)

where:

Permitted Abstraction Score = (Length Factor) × (Relevant Seasonal Weighting) × √(Permitted Abstraction)

Actual Abstraction Score =(Length Factor) × [ (Seasonal Winter Weighting) ×

√(Winter Average Abstraction)+

(Seasonal Summer Weighting) ×

√(Summer Average Abstraction) ]

## Table 1 Length of River and Seasonality Factors

## 

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Length of river affected** | **Length Factor** | **Code** | **Seasonality** | **Seasonality Factor** |
| Le1 | Returned < 500m from Abstraction | 0.1 | Se1 | Winter (Nov – March) | 0.21 |
| Le2 | Returned 500m to <1.5 km from Abstraction | Length/1.5 | Se2 | Summer  (April – Oct.) | 0.79 |
| Le3 | Returned 1.5 km to 5 km from Abstraction. | 1 + 0.956 log  (Length/1.5) | Se3 | All year | 1 |
| Le4 | Returned > 5km from Abstraction | 1.5 |  |  |  |
| Le5 | No return of water. Effectively water is consumed so there is either a long stretch of the water body which has the abstracted water removed from. This is taken as less than 30% returned more than 5 km downstream, or over 95% is not returned (any distance downstream). | 3.5 |  |  |  |

5.7 Length Affected Band will be determined by the distance, measured along the Bank, between an abstraction point and the point at which the water is returned to the water environment. For the avoidance of doubt, the Length Affected

Band will be Le1 for

* coastal and estuarine abstractions, and
* abstractions from a loch that are returned to the same loch.

For abstractions from groundwater the Length Affected Band will be determined by the straight line distance between the borehole / point of issue and the point of return to the water environment.

* 1. Where an abstraction is taken from a river and returned to an estuary or coastal waters, the length is calculated from the distance along the river from the abstraction point to the tidal limit.
  2. If a single licence authorises multiple abstractions that affect different river stretches, then the band that will be used is the one with the highest factor amongst those that apply to at least 25% of the total abstractions summed together.
  3. Similarly, if a single abstraction is returned to the watercourse at several locations, then the band that will be used is the one with the highest factor amongst those that apply to at least 25% of the total abstractions summed together.
  4. Further detailed guidance on aspects of how to treat abstraction is given in Appendix B3.

# WATER IMPOUNDMENTS

## Calculation of Environmental Score for Impoundment

6.1 The Environmental Score for water impoundments is calculated by taking the square root of the maximum impounded volume (in cubic meters) listed in the authorisation if greater than 25 Mega Litres (25,000 m3).

# MANAGEMENT OF WASTE

## Calculation of Environmental Score for Waste

7.1 In order to calculate the Environmental Score for waste management, the following steps are applied:

Step 1 Calculating the weight of material managed

7.2 The EAS uses the European Waste Category (EWC) Table B returns, which are made by all authorised waste management sites and record the type and quantity of waste entering a site. The site return data is used to calculate the average annual tonnage for each EWC code over the relevant three years.

Step 2 Assessing the environmental significance

7.3 There are two factors used to assess the environmental significance.

1. Risk posed by the material handled. Each EWC code is categorised as high, medium or low risk using Appendix B4 Table 4-1. Each risk category has been allocated a factor (Table 2)
2. How the material is handled. This takes account of whether material is recovered/recycled, energy is recovered, or everything disposed (also shown on Table 2).

## Table 2 Material hazard and waste management activity factors

|  |  |  |  |
| --- | --- | --- | --- |
| **Material hazard band** | **Factor** | **Waste management activity** | **Factor** |
| Low | 1 | Material recovery/recycling | 1 |
| Medium | 4 | Energy recovery only | 3 |
| High | 5 | Disposal (landfill) | 5 |

7.4 Waste going to each type of waste management activity (material recovery/recycling, energy recovery only, disposal (landfill)) is split by the material hazard band that has been given for each waste EWC code (Appendix B4).

7.5 The tonnages of waste with the same material hazard band and treated in the same class of waste management activity are divided by the corresponding thresholds given in Table 3 (e.g. waste classed as “High Risk” and subject to waste management activity of “recovery” would have a threshold of 12,000).

Only scores for a particular material hazard band greater than 1 are taken forward.

7.6 To illustrate this an example is given below.

7.7 For a site which undertakes recovery of material with an average throughput of 680 tonnes/yr classed as high hazard and 63320 tonnes/yr classed as medium, you would do the following calculation:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EWC  Code | Material hazard band | Description of Waste | Tonnes / yr | Threshold | | | | | Score |
| 13 02 08 | High | Waste Oil | 680 |  | **8,400** | | (recovery, high risk) | | 0.08 |
|  | |
| 17 01  12 | Medium | 07 01 12 sludges  from on-site effluent  treatment  other than those  mentioned in 07 01 11 | 63320 |  | | *10,500* | | (recovery, medium risk) | 6.03 |
|  | |
|  | | Total | |  | | | | | 6.11 |

7.8 The waste thresholds are taken from the following table (which is table B3 but with emphasised text for the example).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Material hazard band** | **Waste management activity** | | | | | |  |
| Material recovery/recycling | | | | | Energy recovery only | Disposal  (landfill) |
| All onsite treatment | | | | Everything else not covered by the other columns | Waste which is incinerated | Waste which is landfilled |
| Low risk | 42,000 | | | | 42,000 | 14,000 | 8,400 |
| Medium risk |  | | | | 10,500 | 3500 | 2100 |
|  | 10,500 | |  |
| High risk |  | | | | 8,400 | 2800 | 1680 |
|  | | 8,400 |  |

Step 3 Summing the waste throughput score

7.9 All scores are summed for the site waste management activities to give a total waste throughput score. Any resulting total waste score below 1 is then discarded.

Step 4 Rescaling the data

7.10 Take the square root of the total score in Step 3 to give the Environmental Score for waste management.

## Table 3 Waste throughput thresholds by treatment / disposal mechanism

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Material hazard band** | **Waste management activity** | |  |  |
| Material recovery/recycling | | Energy recovery only | Disposal  (landfill) |
| All onsite treatment | Everything else not covered by the other columns | Waste which is incinerated | Waste which  is landfilled |
| Low risk | 42,000 | 42,000 | 14,000 | 8,400 |
| Medium risk | 10,500 | 10,500 | 3500 | 2100 |
| High risk | 8,400 | 8,400 | 2800 | 1680 |
|  |  |  |  |  |

# 

# CALCULATING THE ENVIRONMENTAL SCORE WHEN THERE IS NO DATA

8.1 There will be a number of circumstances under which there is no data available to calculate an Environmental Score. This could be due to various potential issues:

1. The authorisation relates to a new site/activity and so there is no historic information on actual emissions or waste throughput.
2. The authorisation relates to a substantial change at an existing site.
3. It is a site returning to operation after mothballing or following a period of being fallow (fish farms).
   1. Under such circumstances where data is not available SEPA will use the following hierarchy to calculate the Environmental Score:
   2. For abstraction we will assume the “actual” abstraction is:
      1. For summer = 0.25 x the licensed abstraction rate and
      2. For winter = 0.5 x the licensed abstraction rate.
   3. Since the impoundment score is based on the licensed value, the data is available and an environmental score can be directly calculated from this (as in Sections 6).
   4. For sites that have modelled emissions calculated for their SPRI returns the modelled pollutant values will be used. Examples of the types of activities where this approach is taken include intensive agriculture sites, marine cage fish farms, landfills and sewage treatment works with >15,000 PE. Where a marine pen fish farm is planning to use containment then the emission score will be based on the containment working as designed. If later the containment is not working then the charge would be reviewed based on the expected level of releases.
   5. For an existing site where the operations are being scaled up then we pro-rata the actual data up.
   6. If 8.4 to 8.6 do not apply, the following rules apply instead.
   7. For air / water emissions, the mass of pollutant emissions to air or water will be estimated as 50% of the limit in the authorisation or the predicted mass based on the application maximum estimated releases (this is relevant to, for example, a PPC site where operations may be on a periodic basis rather than continuous). The pollutant load and the Environmental Score are then calculated as described above.
   8. The EWC code waste throughput will be 50% of the maximum estimated input of waste, which the site will handle on a daily basis, scaled up on a pro-rata basis of operating days.
   9. The Environmental Score is calculated using the values outlined above using the methods described in section 4 – 7. SEPA will periodically review the Environmental score based on actual values reported, sampled or assessed and revise the score accordingly.
   10. SEPA will be prepared to revise the estimated environmental scores in those circumstances where the operator can demonstrate that these rules do not reflect the scale of the activity.

# APPENDIX B1: AIR FACTORS

## Table B1-1 Air Factors

## 

|  |  |  |  |
| --- | --- | --- | --- |
| **Material** | **Air**  **Pollutant**  **Threshold** | **VOC (for comparison with NMVOC** | **Comment** |
| Acetaldehyde | 370 |  | IPPC H1 - Horizontal Guidance  Note : Assessment & Appraisal of BAT -Table B5 |
| Ammonia | 180 |  |
| Antimony | 5 |  |
| Arsenic | 0.2 |  |
| Benzene | 16.25 | Yes |
| Benzo(a) pyrene | 0.5 |  | Occupational Safety & Health  Administration - Permissible  Exposure Limits |
| Butadiene | 44 | Yes | HSE EH40 and methodology in  Table B7 |
| Cadmium | 0.005 |  | IPPC H1 - Horizontal Guidance  Note : Assessment & Appraisal of BAT -Table B5 |
| Carbon disulphide | 64 |  |
| Chloroform | 99 |  |
|  |  |  |
| Chromium | 5 |  |  |
| Copper | 10 |  |
| Dioxins and furans - as ITEQ | 0.00001 |  | Derived other |
| Ethylbenzene | 4410 | Yes | IPPC H1 - Horizontal Guidance  Note : Assessment & Appraisal of BAT -Table B5 |
| Ethylene | 500 | Yes | Environment Agency’s Opra Scheme |
| Ethylene dichloride | 42 |  | HSE EH40 and methodology in  Table B7 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Material** | **Air**  **Pollutant**  **Threshold** | **VOC (for comparison with NMVOC** | **Comment** |
| Ethylene oxide | 18.4 |  | IPPC H1 - Horizontal Guidance |
|  |  |  |
| Formaldehyde | 5 | Yes | Note : Assessment & Appraisal of BAT -Table B5 |
|  |  |  |
| Hexane | 720 | Yes |  |
| Hydrogen Cyanide | 33.3 |  | HSE EH40 and methodology in  Table B7 |
| Lead | 0.5 |  | IPPC H1 - Horizontal Guidance  Note : Assessment & Appraisal of BAT -Table B5 |
| Manganese | 5 |  |
| Mercury | 0.25 |  |
| Methanol | 2660 | Yes |
| Methyl chloride | 700 |  |
| Methyl chloroform | 11100 | Yes |
| Methylene chloride | 700 |  |
| Nickel | 10 |  |
| PAHs | 1 |  | EA's charging scheme |
| Phenols - total as C | 200 |  | IPPC H1 - Horizontal Guidance  Note : Assessment & Appraisal of BAT -Table B5 |
| Polychlorinated biphenyls (PCBs) - as  WHO TEQ | 0.2 |  |
|  |  |  |
| Selenium | 1 |  |  |
| Styrene | 800 |  |
| Tetrachloroethane | 3450 |  | Use Trichlorethylene |
| Toluene | 1910 | Yes | IPPC H1 - Horizontal Guidance  Note : Assessment & Appraisal of BAT -Table B5 |
| Trichlorobenzene (all isomers) | 75 |  |
| Trichloroethylene | 3450 |  |
| Vinyl chloride | 159 |  |
| Xylene - all isomers | 4410 | Yes |
| **Material** | **Air**  **Pollutant**  **Threshold** | **VOC (for comparison with NMVOC** | **Comment** |
| *Zinc* | 100 |  |  |

Greenhouse Gas Factors

## Table B 1-2

## Greenhouse Gas Factors

## 

|  |  |
| --- | --- |
| **Material** | **Air**  **Pollutant Threshold** |
| Chlorofluorocarbons (CFCs) | 10 |
| Sulphur hexafluoride | 10 |
| Hydrochlorofluorocarbons (HCFCs) | 100 |
| Hydrofluorocarbons (HFCs) | 100 |
| Perfluorocarbons (PFCs) | 100 |
| Methane | 1000 |
| Non-methane volatile organic compounds (NMVOCs) | 5000 |

Large Mass Emissions from Combustion Processes

**Table B1-3:**

## Large Mass Emissions from Combustion Processes

## 

|  |  |
| --- | --- |
| **Material** | **Air**  **Pollutant**  **Threshold** |
| Fluorine and total inorganic fluorine compounds - as HF | 10 |
| Chlorine and total inorganic chlorine compounds - as HCl | 1000 |
| Hydrogen chloride | 1000 |
| Nitrogen oxides, NO and NO2 as NO2 | 10000 |
| Nitrous Oxide | 10000 |
| Sulphur oxides, SO2 and SO3 as SO2 | 10000 |
| Carbon monoxide | 1000000 |
| Particulate matter - PM10 and smaller | 100 |

# 

# APPENDIX B2: WATER EQS VALUES USED FOR SPRI & NON-SPRI SITES

The following threshold values are based on environmental quality standards or an estimate based on scientific advice. The threshold values are given in the units of kilograms purely to ensure that SPRI and sampling data are converted into similar units.

**Table B2-1:**

## Water Pollutant Thresholds for SPRI & Non-SPRI Pollutants

## 

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| 2,4-Dichlorophenoxyacetic acid (2,4-D)  - ester and non-ester | 170 | Inland waters | 0.3 |
| 2,4-Dichlorophenoxyacetic acid (2,4-D)  - ester and non-ester | 170 | Transitional waters | 0.3 |
| 2,4-Dichlorophenoxyacetic acid (2,4-D)  - ester and non-ester | 170 | Coastal waters | 0.3 |
| Aldrin | 15 | Inland waters | 0.01 |
| Aldrin | 15 | Transitional waters | 0.005 |
| Aldrin | 15 | Coastal waters | 0.005 |
| Ammoniacal Nitrogen (as N) | 250200 | Inland waters | 300 |
| Ammoniacal Nitrogen (as N) | 250200 | Transitional waters | 300 |
| Ammoniacal Nitrogen (as N) | 250200 | Coastal waters | 300 |
| Anthracene |  | Inland waters | 0.1 |
| Anthracene |  | Transitional waters | 0.1 |
| Anthracene |  | Coastal waters | 0.1 |
| Arsenic | 99 | Inland waters | 65 |
| Arsenic | 99 | Transitional waters | 33 |
| Arsenic | 99 | Coastal waters | 33 |
| Atrazin | 19 | Inland waters | 0.6 |
| Atrazin | 19 | Transitional waters | 0.6 |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Atrazin | 19 | Coastal waters | 0.6 |
| Azamethiphos |  | Inland waters | 0.02 |
| Azamethiphos |  | Transitional waters | 0.02 |
| Azamethiphos |  | Coastal waters | 0.02 |
| Benzene | 21 | Inland waters | 10 |
| Benzene | 21 | Transitional waters | 8 |
| Benzene | 21 | Coastal waters | 8 |
| Benzo(a) pyrene |  | Inland waters | 0.00017 |
| Benzo(a) pyrene |  | Transitional waters | 0.00017 |
| Benzo(a) pyrene |  | Coastal waters | 0.00017 |
| Biochemical Oxygen Demand - total | 220200 | Inland waters | 3000 |
| Biochemical Oxygen Demand - total | 220200 | Transitional waters | 30000 |
| Biochemical Oxygen Demand - total | 220200 | Coastal waters | 30000 |
| Cadmium | 102 | Inland waters | 0.3 |
| Cadmium | 102 | Transitional waters | 0.4 |
| Cadmium | 102 | Coastal waters | 0.4 |
| Carbon Tetrachloride | 29 | Inland waters | 12 |
| Carbon Tetrachloride | 29 | Transitional waters | 12 |
| Carbon Tetrachloride | 29 | Coastal waters | 12 |
| Chlorfenvinphos | 277 | Inland waters | 0.1 |
| Chlorfenvinphos | 277 | Transitional waters | 0.1 |
| Chlorfenvinphos | 277 | Coastal waters | 0.1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Chloroform | 30 | Inland waters | 2.5 |
| Chloroform | 30 | Transitional waters | 2.5 |
| Chloroform | 30 | Coastal waters | 2.5 |
| Chromium | 103 | Inland waters | 6.8 |
| Chromium | 103 | Transitional waters | 1.2 |
| Chromium | 103 | Coastal waters | 1.2 |
| Copper | 104 | Inland waters | 43 |
| Copper | 104 | Transitional waters | 215 |
| Copper | 104 | Coastal waters | 215 |
| Cyanides - total as CN |  | Inland waters | 1 |
| Cyanides - total as CN |  | Transitional waters | 1 |
| Cyanides - total as CN |  | Coastal waters | 1 |
| Deltamethrin |  | Inland waters | No EQS |
| Deltamethrin |  | Transitional waters | 0.0003 |
| Deltamethrin |  | Coastal waters | 0.0003 |
| Diazinon | 137 | Inland waters | 0.01 |
| Diazinon | 137 | Transitional waters | 0.01 |
| Diazinon | 137 | Coastal waters | 0.01 |
| Dichlorodiphenyltrichloroethane - all isomers | 37 | Inland waters | 0.025 |
| Dichlorodiphenyltrichloroethane - all isomers | 37 | Transitional waters | 0.025 |
| Dichlorodiphenyltrichloroethane - all isomers | 37 | Coastal waters | 0.025 |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Dieldrin | 39 | Inland waters | 0.01 |
| Dieldrin | 39 | Transitional waters | 0.005 |
| Dieldrin | 39 | Coastal waters | 0.005 |
| Dimethoate | 138 | Inland waters | 0.48 |
| Dimethoate | 138 | Transitional waters | 0.48 |
| Dimethoate | 138 | Coastal waters | 0.48 |
| Emamectin benzoate |  | Inland waters | No EQS |
| Emamectin benzoate |  | Transitional waters | 0.00022 |
| Emamectin benzoate |  | Coastal waters | 0.00022 |
| Endosulfan | 46 | Inland waters | 0.005 |
| Endosulfan | 46 | Transitional waters | 0.0005 |
| Endosulfan | 46 | Coastal waters | 0.0005 |
| Endrin | 47 | Inland waters | 0.01 |
| Endrin | 47 | Transitional waters | 0.005 |
| Endrin | 47 | Coastal waters | 0.005 |
| Ethylene dichloride | 55 | Inland waters | 10 |
| Ethylene dichloride | 55 | Transitional waters | 10 |
| Ethylene dichloride | 55 | Coastal waters | 10 |
| Hexachlorobenzene | 59 | Inland waters | 0.01 |
| Hexachlorobenzene | 59 | Transitional waters | 0.01 |
| Hexachlorobenzene | 59 | Coastal waters | 0.01 |
| Hexachlorobutadiene | 144 | Inland waters | 0.1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Hexachlorobutadiene | 144 | Transitional waters | 0.1 |
| Hexachlorobutadiene | 144 | Coastal waters | 0.1 |
| Hexachlorocyclohexane - all isomers | 60 | Inland waters | 0.02 |
| Hexachlorocyclohexane - all isomers | 60 | Transitional waters | 0.002 |
| Hexachlorocyclohexane - all isomers | 60 | Coastal waters | 0.002 |
| Isodrin | 283 | Inland waters | 0.01 |
| Isodrin | 283 | Transitional waters | 0.005 |
| Isodrin | 283 | Coastal waters | 0.005 |
| Lead | 105 | Inland waters | 28.8 |
| Lead | 105 | Transitional waters | 28.8 |
| Lead | 105 | Coastal waters | 28.8 |
| Linuron | 146 | Inland waters | 0.5 |
| Linuron | 146 | Transitional waters | 0.5 |
| Linuron | 146 | Coastal waters | 0.5 |
| Manganese | 300180 | Inland waters | 492 |
| Manganese | 300180 | Transitional waters | 492 |
| Manganese | 300180 | Coastal waters | 492 |
| Mecoprop | 149 | Inland waters | 18 |
| Mecoprop | 149 | Transitional waters | 18 |
| Mecoprop | 149 | Coastal waters | 18 |
| Mercury | 107 | Inland waters | 0.5 |
| Mercury | 107 | Transitional | 0.5 |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
|  |  | waters |  |
| Mercury | 107 | Coastal waters | 0.5 |
| Naphthalene | 152 | Inland waters | 2.4 |
| Naphthalene | 152 | Transitional waters | 1.2 |
| Naphthalene | 152 | Coastal waters | 1.2 |
| Nickel | 108 | Inland waters | 40 |
| Nickel | 108 | Transitional waters | 40 |
| Nickel | 108 | Coastal waters | 40 |
| Nitrate (as N) | 250250 | Inland waters | 280 |
| Nitrate (as N) | 250250 | Transitional waters | 280 |
| Nitrate (as N) | 250250 | Coastal waters | 168 |
| Nitrogen - total as N | 153 | Inland waters | 559 |
| Nitrogen - total as N | 153 | Transitional waters[[2]](#footnote-2) | 559 |
| Nitrogen - total as N | 153 | Coastal waters2 | 335 |
| Nonylphenolethoxylates | 154 | Inland waters | 0 |
| Nonylphenolethoxylates | 154 | Transitional waters |  |
| Nonylphenolethoxylates | 154 | Coastal waters |  |
| Nonylphenols | 155 | Inland waters | 0.3 |
| Nonylphenols | 155 | Transitional waters | 0.3 |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Nonylphenols | 155 | Coastal waters | 0.3 |
| Octylphenols | 157 | Inland waters | 0.1 |
| Octylphenols | 157 | Transitional waters | 0.01 |
| Octylphenols | 157 | Coastal waters | 0.01 |
| Orthophosphate (as P) | 250300 | Inland waters | 42 |
| Orthophosphate (as P) | 250300 | Transitional waters | 420 |
| Orthophosphate (as P) | 250300 | Coastal waters | 0 |
| Pentachlorophenol | 78 | Inland waters | 0.4 |
| Pentachlorophenol | 78 | Transitional waters | 0.4 |
| Pentachlorophenol | 78 | Coastal waters | 0.4 |
| Permethrin | 159 | Inland waters | 0.001 |
| Permethrin | 159 | Transitional waters | 0.0002 |
| Permethrin | 159 | Coastal waters | 0.0002 |
| Phenols - total as C |  | Inland waters | 7.7 |
| Phenols - total as C |  | Transitional waters | 7.7 |
| Phenols - total as C |  | Coastal waters | 7.7 |
| Phosphorus - total as P | 161 | Inland waters | 126 |
| Phosphorus - total as P | 161 | Transitional waters | 1260 |
| Phosphorus - total as P | 161 | Coastal waters |  |
| Polychlorinated biphenyls | 265 | Inland waters | 0.01 |
| Polychlorinated biphenyls | 265 | Transitional waters |  |
| Polychlorinated biphenyls | 265 | Coastal waters |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Simazine | 85 | Inland waters | 1 |
| Simazine | 85 | Transitional waters | 1 |
| Simazine | 85 | Coastal waters | 1 |
| Tetrachloroethylene | 88 | Inland waters | 10 |
| Tetrachloroethylene | 88 | Transitional waters | 10 |
| Tetrachloroethylene | 88 | Coastal waters | 10 |
| Toluene | 89 | Inland waters | 74 |
| Toluene | 89 | Transitional waters | 74 |
| Toluene | 89 | Coastal waters | 74 |
| Total organic carbon or COD/3 | 166 | Inland waters | 15000 |
| Total organic carbon or COD/3 | 166 | Transitional waters | 150000 |
| Total organic carbon or COD/3 | 166 | Coastal waters | 150000 |
| Tributyltin compounds | 167 | Inland waters | 0.0002 |
| Tributyltin compounds | 167 | Transitional waters | 0.0002 |
| Tributyltin compounds | 167 | Coastal waters | 0.0002 |
| Trichlorobenzene - all isomers | 91 | Inland waters | 0.4 |
| Trichlorobenzene - all isomers | 91 | Transitional waters | 0.4 |
| Trichlorobenzene - all isomers | 91 | Coastal waters | 0.4 |
| Trichloroethylene | 92 | Inland waters | 10 |
| Trichloroethylene | 92 | Transitional waters | 10 |
| Trichloroethylene | 92 | Coastal waters | 10 |
| Triclosan |  | Inland waters | 0.1 |
| **SPRI POLLUTANT\_NAME** | **SPRI**  **POLLUTANT**  **\_ID** | **Receiving Water** | **Water**  **Pollutant**  **Threshold** |
| Triclosan |  | Transitional waters | 0.1 |
| Triclosan |  | Coastal waters | 0.1 |
| Trifluralin | 168 | Inland waters | 0.03 |
| Trifluralin | 168 | Transitional waters | 0.03 |
| Trifluralin | 168 | Coastal waters | 0.03 |
| Triphenyltin compounds | 290 | Inland waters | 0.02 |
| Triphenyltin compounds | 290 | Transitional waters | 0.008 |
| Triphenyltin compounds | 290 | Coastal waters | 0.008 |
| Xylene - all isomers | 97 | Inland waters | 30 |
| Xylene - all isomers | 97 | Transitional waters | 30 |
| Xylene - all isomers | 97 | Coastal waters | 30 |
| Zinc | 111 | Inland waters | 58.86 |
| Zinc | 111 | Transitional waters | 42.66 |
| Zinc | 111 | Coastal waters | 42.66 |

# 

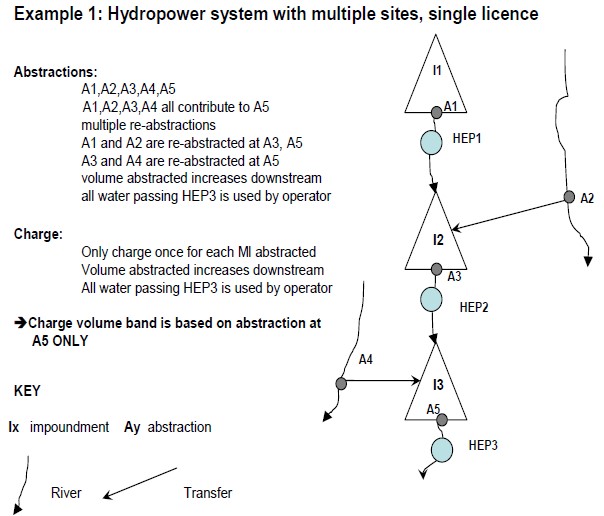
# APPENDIX B3: DETAILED GUIDANCE ON HOW TO TREAT ABSTRACTIONS

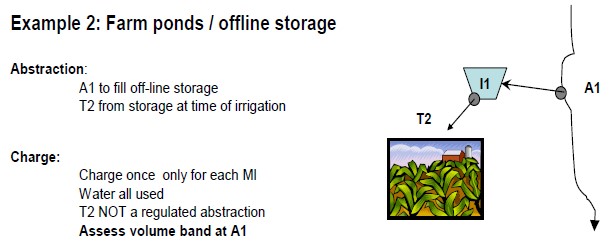
In calculating abstraction charges, operators will only be charged once for the abstraction of water. The examples below explain how the volume abstracted factor is applied in different scenarios.

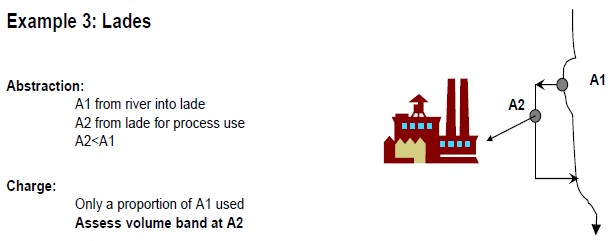
In some cases it is the initial abstraction volume that is subject to charging (Example 2, farm ponds). However for river transfer schemes this may not be the case as the second abstraction can take advantage of the increased catchment upstream (Example 6) in which case the charge is based on the second abstraction volume.

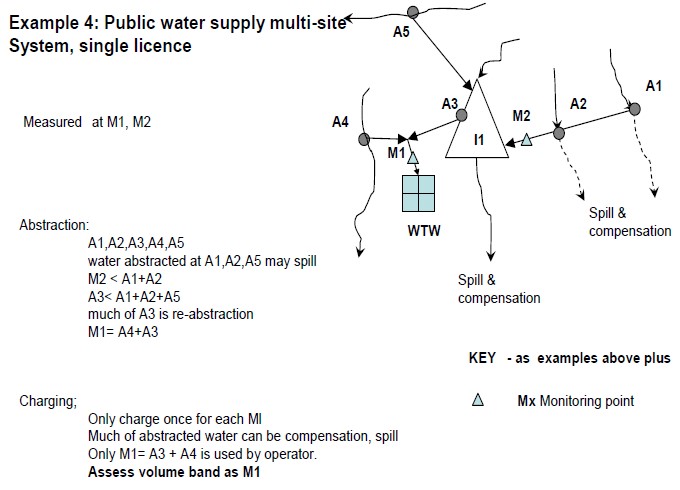
The following examples demonstrate that in a complex scheme, the net volume utilised by the operator may *increase* with subsequent re-abstractions (Example 1, Hydro Power Cascades), or it may *decrease*:

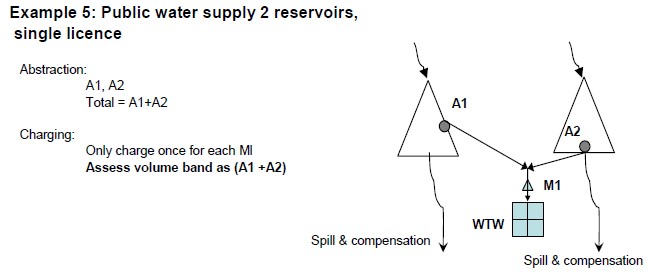
* due to spill, and compensation releases, the net volume may be significantly *less* than the sum of individual abstractions (Example 4, public water supply)
* similarly, lade abstractions take only a proportion of the water diverted into the lade (Example 3)

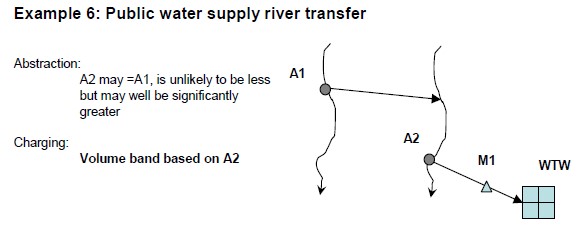












## Detailed Guidance on Length affected

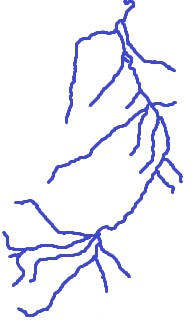
The length affected will be determined by the distance, measured along the river, between an abstraction point and the point at which the water is returned to the water environment.

Where an abstraction is taken from a river and returned to an estuary or coastal waters the length is calculated from the distance along the river from the abstraction point to the tidal limit.

For groundwater abstractions the length affected is calculated from the straight line distance from the abstraction point to the point at which the water is returned to the water environment. Where a groundwater abstraction is returned to an estuary or coastal water the length affected is the calculated straight line distance from the abstraction point to the coastline.

If a single licence authorises multiple abstractions that affects different river stretches within the same river catchment the length affected is calculated as the distance along the river from the main abstraction to the point where the water is returned to the water environment. The length affected of such abstractions is calculated to determine the main impact of a licence.

Example: hydropower scheme with four abstractions in the same catchment, the length affected has been calculated from the main intake on the main stretch of the river to the point at which water is returned to the water environment. The combined length affected of all intake locations has not been used in the calculations and the final length affected for use in charging is the river length distance between the main intake and the return point.



**Main Intake**

**O**

**n**

**Main**

**River Stretch**

**Return to**

**Water**

**Environment**

**Abstraction**

**Return**

If a single licence authorises multiple abstraction that affects different river stretches from different river catchments and water is returned to the water environment to different catchments then a length affected factor of 1.5 will be applied.

If the length affected is ≥5km then a length affected factor of 1.5 will be applied. Where there is no return of water, effectively water is consumed so a maximum consumption factor of 3.5 is applied. We will take water as being consumed where there is either a long stretch of the water body which has the abstracted water removed from it or is not returned. This is taken as less than 30% returned more than 5 km downstream, or over 95% is not returned (any distance downstream).

# APPENDIX B4: WASTE DISTRIBUTION OF EWC

Each EWC is categorised as High, Medium or Low in hazardous nature. This roughly equates to High - Hazardous, Medium - Non-Hazardous and Low - Inert. **Table B4-1**

## EWC Description Versus Charging Classification

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 01 01 01 wastes from mineral metalliferous excavation | Non-Hazardous | Medium |
| 01 01 02 wastes from mineral nonmetalliferous excavation | Non-Hazardous | Medium |
| 01 03 04\* acid-tailings from processing of sulphide ore | Hazardous | High |
| 01 03 05\* other tailings containing dangerous substances | Hazardous | High |
| 01 03 06 tailings other than those mentioned in 01 03 04 and 0 1 03 05 | Non-Hazardous | Medium |
| 01 03 07\* other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals | Hazardous | High |
| 01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07 | Non-Hazardous | Medium |
| 01 03 09 red mud from alumina production other than the wastes mentioned in 01 03 07 | Non-Hazardous | Medium |
| 01 03 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 01 04 07\* wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals | Hazardous | High |
| 01 04 08 waste gravel and crushed rocks other than those mentioned in 01 04 07 | Non-Hazardous | Medium |
| 01 04 09 waste sand and clays | Non-Hazardous | Medium |
| 01 04 10 dusty and powdery wastes other than those mentioned in 01 04 07 | Non-Hazardous | Medium |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 01 04 11 wastes from potash and rock salt processing other than those mentioned in 01 04 07 | Non-Hazardous | Medium |
| 01 04 12 tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11 | Non-Hazardous | Medium |
| 01 04 13 wastes from stone cutting and sawing other than those mentioned in 01 04 07 | Non-Hazardous | Medium |
| 01 04 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 01 05 04 freshwater drilling muds and wastes | Non-Hazardous | Medium |
| 01 05 05\* oil-containing drilling muds and wastes | Hazardous | High |
| 01 05 06\* drilling muds and other drilling  wastes containing dangeroous substances | Hazardous | High |
| 01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06 | Non-Hazardous | Medium |
| 01 05 08 chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06 | Non-Hazardous | Medium |
| 01 05 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 01 01 sludges from washing and cleaning | Non-Hazardous | Medium |
| 02 01 02 animal tissue waste | Non-Hazardous | Medium |
| 02 01 03 plant tissue waste | Non-Hazardous | Medium |
| 02 01 04 waste plastics (except packaging) | Non-Hazardous | Medium |
| 02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site | Non-Hazardous | Medium |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 02 01 07 wastes from forestry | Non-Hazardous | Medium |
| 02 01 08\* agrochemical waste containing dangerous substances | Hazardous | High |
| 02 01 09 agrochemical wastes other than those mentioned in 02 01 08 | Non-Hazardous | Medium |
| 02 01 10 waste metal | Non-Hazardous | Medium |
| 02 01 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 02 01 sludges from washing and cleaning | Non-Hazardous | Medium |
| 02 02 02 animal tissue waste | Non-Hazardous | Medium |
| 02 02 03 materials unsuitable for consumption or processing | Non-Hazardous | Medium |
| 02 02 04 sludges from on-site effluent treatment | Non-Hazardous | Medium |
| 02 02 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation | Non-Hazardous | Medium |
| 02 03 02 wastes from preserving agents | Non-Hazardous | Medium |
| 02 03 03 wastes from solvent extraction | Non-Hazardous | Medium |
| 02 03 04 materials unsuitable for consumption or processing | Non-Hazardous | Medium |
| 02 03 05 sludges from on-site effluent treatment | Non-Hazardous | Medium |
| 02 03 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 04 01 soil from cleaning and washing beet | Non-Hazardous | Medium |
| 02 04 02 off-specification calcium carbonate | Non-Hazardous | Medium |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 02 04 03 sludges from on-site effluent treatment | Non-Hazardous | Medium |
| 02 04 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 05 01 materials unsuitable for consumption or processing | Non-Hazardous | Medium |
| 02 05 02 sludges from on-site effluent treatment | Non-Hazardous | Medium |
| 02 05 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 06 01 materials unsuitable for consumption or processing | Non-Hazardous | Medium |
| 02 06 02 wastes from preserving agents | Non-Hazardous | Medium |
| 02 06 03 sludges from on-site effluent treatment | Non-Hazardous | Medium |
| 02 06 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 02 07 01 wastes from washing, cleaning and mechanical reduciton of raw materials | Non-Hazardous | Medium |
| 02 07 02 wastes from spirits distillation | Non-Hazardous | Medium |
| 02 07 03 wastes from chemical treatment | Non-Hazardous | Medium |
| 02 07 04 materials unsuitable for consumption or processing | Non-Hazardous | Medium |
| 02 07 05 sludges from on-site effluent treatment | Non-Hazardous | Medium |
| 02 07 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 03 01 01 waste bark and cork | Non-Hazardous | Medium |
| 03 01 04\* sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances | Hazardous | High |
| 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other | Non-Hazardous | Medium |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| than those mentioned in 03 01 04 |  |  |
| 03 01 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 03 02 01\* non-halogenated organic wood preservatives | Hazardous | High |
| 03 02 02\* organochlorinated wood preservatives | Hazardous | High |
| 03 02 03\* organometallic wood preservatives | Hazardous | High |
| 03 02 04\* inorganic wood preservatives | Hazardous | High |
| 03 02 05\* other wood preservatives containg dangerous substances | Hazardous | High |
| 03 02 99 wood preservatives not otherwise specified | Non-Hazardous | High |
| 03 03 01 waste bark and wood | Non-Hazardous | Medium |
| 03 03 02 green liquor sludge (from recovery of cooking liquor) | Non-Hazardous | Medium |
| 03 03 05 de-inking sludges from paper recycling | Non-Hazardous | Medium |
| 03 03 07 mechanically separated rejects from pulping of waste paper and cardboard | Non-Hazardous | Medium |
| 03 03 08 wastes from sorting of paper and cardboard destined for recycling | Non-Hazardous | Medium |
| 03 03 09 lime mud waste | Non-Hazardous | Medium |
| 03 03 10 fibre rejects, fibre, filler and coating sludges from mechanical separation | Non-Hazardous | Medium |
| 03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10 | Non-Hazardous | Medium |
| 03 03 99 wastes not otherwise specified | Non-Hazardous | Medium |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 04 01 01 fleshings and lime split wastes | Non-Hazardous | Medium |
| 04 01 02 liming waste | Non-Hazardous | Medium |
| 04 01 03\* degreasing wastes containing solvents without a liquid phase | Hazardous | High |
| 04 01 04 tanning liquor containing chromium | Non-Hazardous | Medium |
| 04 01 05 tanning liquor free of chromium | Non-Hazardous | Medium |
| 04 01 06 sludges, in particular from onsite effluent treatment containing  chromium | Non-Hazardous | Medium |
| 04 01 07 sludges, in particular from onsite effluent treatment free of chromium | Non-Hazardous | Medium |
| 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium | Non-Hazardous | Medium |
| 04 01 09 wastes from dressing and finishing | Non-Hazardous | Medium |
| 04 01 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer) | Non-Hazardous | Medium |
| 04 02 10 organic matter from natural products (e.g. grease, wax) | Non-Hazardous | Medium |
| 04 02 14\* wastes from finishing containing organic solvents | Hazardous | High |
| 04 02 15 wastes from finishing other than those mentioned in 14 02 14 | Non-Hazardous | Medium |
| 04 02 16\* dyestuffs and pigments containing dangerous substances | Hazardous | High |
| 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16 | Non-Hazardous | Medium |
| 04 02 19\* sludges from on-site effluent treatment containing dangerous | Hazardous | High |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| substances |  |  |
| 04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19 | Non-Hazardous | Medium |
| 04 02 21 wastes from unprocessed textile fibres | Non-Hazardous | Medium |
| 04 02 22 wastes from processed textile fibres | Non-Hazardous | Medium |
| 04 02 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 05 01 02\* desaltercsludges | Hazardous | High |
| 05 01 03 tank bottom sludges | Hazardous | High |
| 05 01 04\* acid alkyl sludges | Hazardous | High |
| 05 01 05\* oil spills | Hazardous | High |
| 05 01 06\* oily sludges from maintenance operations fo the plant or equipment | Hazardous | High |
| 05 01 07\* acid tars | Hazardous | High |
| 05 01 08\* others tars | Hazardous | High |
| 05 01 09\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 05 01 10 sludges from on-site effluent treatment other than those mentioned in 05 01 09 | Non-Hazardous | Medium |
| 05 01 11\* wastes from cleaning of fuels with bases | Hazardous | High |
| 05 01 12\* oil containing acids | Hazardous | High |
| 05 01 13 boiler feedwatersludges | Non-Hazardous | Medium |
| 05 01 14 wastes from cooling columns | Non-Hazardous | Medium |
| 05 01 15\* spent filter clays | Hazardous | High |
| 05 01 16 sulphur-containing wastes from | Non-Hazardous | Medium |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| petroluem desulphurisation |  |  |
| 05 01 17 bitumen | Non-Hazardous | Medium |
| 05 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 05 06 01\* acid tars | Hazardous | High |
| 05 06 03\* other tars | Hazardous | High |
| 05 06 04 wastes from cooling columns | Non-Hazardous | Medium |
| 05 06 99 wastes not otherwise specified | Non-Hazardous | High |
| 05 07 01\* wastes containing mercury | Hazardous | High |
| 05 07 02 wastes containing sulphur | Non-Hazardous | Medium |
| 05 07 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 01 01\* sulphuric acid and sulphurous acid | Hazardous | High |
| 06 01 02\* hydrochloric acid | Hazardous | High |
| 06 01 03\* hydroflouric acid | Hazardous | High |
| 06 01 04\* phosphoric and phosphorous acid | Hazardous | High |
| 06 01 05\* nitirc acid and nitrous acid | Hazardous | High |
| 06 01 06\* other acids | Hazardous | High |
| 06 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 02 01\* calcium hydroxide | Hazardous | High |
| 06 02 03\* ammonium hydroxide | Hazardous | High |
| 06 02 04\* sodium and potassium hydroxide | Hazardous | High |
| 06 02 05\* other bases | Hazardous | High |
| 06 02 99 wastes not otherwise specified | Non-Hazardous | High |

|  |  |  |
| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 06 03 11\* solid salts and solutions containing cyanides | Hazardous | High |
| 06 03 13\* solid salts and solutions containing heavy metals | Hazardous | High |
| 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13 | Non-Hazardous | Medium |
| 06 03 15\* metallic oxides containing heavy metals | Hazardous | High |
| 06 03 16 metallic oxides other than those mentioned in 06 03 15 | Non-Hazardous | Medium |
| 06 03 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 04 03\* wastes containing arsenic | Hazardous | High |
| 06 04 04\* wastes containing mercury | Hazardous | High |
| 06 04 05\* wastes containing other heavy metals | Hazardous | High |
| 06 04 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 05 02\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 06 05 03 sludges from on-site effluent treatment other than those mentioned on 06 05 02 | Non-Hazardous | Medium |
| 06 06 02\* wastes containing dangerous sulphides | Hazardous | High |
| 06 06 03 wastes containing suphides other than those mentioned in 06 05 02 | Non-Hazardous | Medium |
| 06 06 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 07 01\* wastes containing asbestos from electrolysis | Hazardous | High |
| 06 07 02\* activated carbon from chlorine production | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 06 07 03\* barium sulphate sludge containing mercury | Hazardous | High |
| 06 07 04\* solutions and acids, e.g contact acid | Hazardous | High |
| 06 07 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 08 02\* wastes containing dangerous silicones | Hazardous | High |
| 06 08 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 09 02 phosphorous slag | Non-Hazardous | Medium |
| 06 09 03\* calcium-based reaction wastes containing or contaminated with dangerous substances | Hazardous | High |
| 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03 | Non-Hazardous | Medium |
| 06 09 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 10 02\* wastes containing dangerous substances | Hazardous | High |
| 06 10 99 wastes not otherwise specified | Non-Hazardous | High |
| 06 11 01 calcium-based reaction wastes fro titanium dioxide production | Non-Hazardous | Medium |
| 06 11 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 06 13 01\* inorganic plant protection products, wood-preserving agents and other biocides | Hazardous | High |
| 06 13 02\* spent activated carbon (except  06 07 02) | Hazardous | High |
| 06 13 03 carbon black | Non-Hazardous | Medium |
| 06 13 04\* wastes from asbestos processing | Hazardous | High |
| 06 13 05\* soot | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 06 13 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 01 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 01 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 01 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |
| 07 01 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 01 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 01 09\* halogenated filter cakes and spent absorbents | Hazardous | High |
| 07 01 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 01 11\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 07 01 12 sludges from on-site effluent treatment other than those mentioned in 07 01 11 | Non-Hazardous | Medium |
| 07 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 02 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 02 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 02 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |
| 07 02 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 02 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 02 09\* halogenated filter cakes and spent absorbents | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 07 02 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 02 11\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 07 02 12 sludges from on-site effluent treatment other than those mentioned on 07 02 11 | Non-Hazardous | Medium |
| 07 02 13 waste plastic | Non-Hazardous | Medium |
| 07 02 14\* wastes from additives containing dangerous substances | Hazardous | High |
| 07 02 15 wastes from additives other than those mentioned in 07 02 14 | Non-Hazardous | Medium |
| 07 02 16\* wastes containing dangerous silicones | Hazardous | High |
| 07 02 17 wastes containing silicones other than those mentioned in 07 02 16 | Non-Hazardous | Medium |
| 07 02 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 03 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 03 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 03 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |
| 07 03 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 03 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 03 09\* halogenated filter cakes and spent absorbents | Hazardous | High |
| 07 03 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 03 11\* sludges from on-site effluent treatment containing dangerous | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| substances |  |  |
| 07 03 12 sludges from on-site effluent treatment other than those mentioned in 07 03 11 | Non-Hazardous | Medium |
| 07 03 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 04 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 04 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 04 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |
| 07 04 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 04 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 04 09\* halogenated filter cakes and spent absorbents | Hazardous | High |
| 07 04 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 04 11\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 07 04 12 sludges from on-site effluent treatment other than those mentioned in 07 04 11 | Non-Hazardous | Medium |
| 07 04 13\* solid wastes containing dangerous substances | Hazardous | High |
| 07 04 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 05 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 05 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 05 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 07 05 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 05 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 05 09\* halogenated filter cakes and spent absorbents | Hazardous | High |
| 07 05 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 05 11\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 07 05 12 sludges from on-site effluent treatment other than those mentioned in 07 05 11 | Non-Hazardous | Medium |
| 07 05 13\* solid wastes containing dangerous substances | Hazardous | High |
| 07 05 14 solid wastes other than those mentioned in 07 05 13 | Non-Hazardous | Medium |
| 07 05 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 06 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 06 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 06 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |
| 07 06 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 06 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 06 09\* halogenated filter cakes and spent absorbents | Hazardous | High |
| 07 06 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 06 11\* sludges from on-site effluent treatment containing dangerous | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| substances |  |  |
| 07 06 12 sludges from on-site effluent treatment other than those mentioned in 07 06 11 | Non-Hazardous | Medium |
| 07 06 99 wastes not otherwise specified | Non-Hazardous | High |
| 07 07 01\* aqueous washing liquids and mother liquors | Hazardous | High |
| 07 07 03\* organic halogenated solvents, washing liquids and mother liqours | Hazardous | High |
| 07 07 04\* other organic solvents, washing liquids and mother liquors | Hazardous | High |
| 07 07 07\* halogenated still bottoms and reaction residues | Hazardous | High |
| 07 07 08\* other still bottoms and reaction residues | Hazardous | High |
| 07 07 09\* halogenated filter cakes and spent absorbents | Hazardous | High |
| 07 07 10\* other filter cakes and spent absorbents | Hazardous | High |
| 07 07 11\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11 | Non-Hazardous | Medium |
| 07 07 99 wastes not otherwise specified | Non-Hazardous | High |
| 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances | Hazardous | High |
| 08 01 12 waste paint and varnish other than those mentioned in 08 01 11 | Non-Hazardous | Medium |
| 08 01 13\* sludges from paint or varnish containing organic solvents or other dangerous substances | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13 | Non-Hazardous | Medium |
| 08 01 15\* aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances | Hazardous | High |
| 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15 | Non-Hazardous | Medium |
| 08 01 17\* wastes from paint or varnish removal containing organic solvents or other dangerous substances | Hazardous | High |
| 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17 | Non-Hazardous | Medium |
| 08 01 19\* aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances | Hazardous | High |
| 08 01 20 aqueous suspensions containing paint or varnish other than  those mentioned in 08 01 19 | Non-Hazardous | Medium |
| 08 01 21\* waste paint or varnish remover | Hazardous | High |
| 08 02 01 waste coating powders | Non-Hazardous | Medium |
| 08 02 02 aqueous sludges containing ceramic materials | Non-Hazardous | Medium |
| 08 02 03 aqueous suspensions containing ceramic materials | Non-Hazardous | Medium |
| 08 02 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 08 03 07 aqueous sludges containing ink | Non-Hazardous | Medium |
| 08 03 08 aqueous liquid waste containing ink | Non-Hazardous | Medium |
| 08 03 12\* waste ink containing dangerous substances | Hazardous | High |
| 08 03 13 waste ink other than those | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| mentioned in 08 03 12 |  |  |
| 08 03 14\* ink sludges containing dangerous substances | Hazardous | High |
| 08 03 15 ink sludges other than those mentioned in 08 03 14 | Non-Hazardous | Medium |
| 08 03 16\* waste etching solutions | Hazardous | High |
| 08 03 17\* waste printing toner containing dangerous substances | Hazardous | High |
| 08 03 18 waste printing toner other than those mentioned in 08 03 17 | Non-Hazardous | Medium |
| 08 03 19\* disperse oil | Hazardous | High |
| 08 03 99 wastes not otherwise specified | Non-Hazardous | High |
| 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances | Hazardous | High |
| 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09 | Non-Hazardous | Medium |
| 08 04 11\* adhesive and sealant sludges containing organic solvents or other dangerous substances | Hazardous | High |
| 08 04 12 adhesive and sealants sludges other than those mentioned in 08 04 11 | Non-Hazardous | Medium |
| 08 04 13\* aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances | Hazardous | High |
| 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13 | Non-Hazardous | Medium |
| 08 04 15\* aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances | Hazardous | High |
| 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15 | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 08 04 17\* rosin oil | Hazardous | High |
| 08 04 99 wastes not otherwise specified | Non-Hazardous | High |
| 08 05 01\* waste isocyanates | Hazardous | High |
| 09 01 01\* water-based developer and activator solutions | Hazardous | High |
| 09 01 02\* water-based offset plate develop solutions | Hazardous | High |
| 09 01 03\* solvent-based developer solutions fixer solutions | Hazardous | High |
| 09 01 04\* fixer solutions | Hazardous | High |
| 09 01 05\* bleach solutions | Hazardous | High |
| 09 01 06\* wastes containing silver from on-site treatment of photographic wastes | Hazardous | High |
| 09 01 07 photographic film and paper containing silver or silver compounds | Non-Hazardous | Medium |
| 09 01 08 photographic film and paper free of silver or silver compounds | Non-Hazardous | Medium |
| 09 01 10 single use cameras without batteries | Non-Hazardous | Medium |
| 09 01 11\* single use cameras containing batteries included in 16 06 01,16 06 02 or 16 06 03 | Hazardous | High |
| 09 01 12 single use cameras containing batterues other than those mentioned in 09 01 11 | Non-Hazardous | Medium |
| 09 01 13\* aqueous liquid waste from onsite reclamation of silver other than those mentioned in 09 01 06 | Hazardous | High |
| 09 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04) | Non-Hazardous | Low |
| 10 01 02 coal fly ash | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 10 01 03 fly ash from peat and untreated wood | Non-Hazardous | Medium |
| 10 01 04\* oil fly ash and boiler dust | Hazardous | High |
| 10 01 05 calcium-based reaction wastes from flue gas desulphurisation in solid form | Non-Hazardous | Medium |
| 10 01 07 calcium-based reaction wastes from flue gas desulphurisation in sludge form | Non-Hazardous | Medium |
| 10 01 09\* sulphuric acid | Hazardous | High |
| 10 01 13\* fly ash from emulsified hydrocarbons used as fuel | Hazardous | High |
| 10 01 14\* bottom ash, slag and boiler dust from co-incineration containing dangerous substances | Hazardous | High |
| 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14 | Non-Hazardous | Medium |
| 10 01 16\* fly ash from co-incineration containing dangerous substances | Hazardous | High |
| 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16 | Non-Hazardous | Low |
| 10 01 18\* wastes from gas cleaning containing dangerous substances | Hazardous | High |
| 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18 | Non-Hazardous | Medium |
| 10 01 20\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20 | Non-Hazardous | Medium |
| 10 01 22\* aqueous sludges from boiler cleansing containing dangerous substances | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 10 01 22 | Non-Hazardous | Medium |
| 10 01 24 sands from fluidised beds | Non-Hazardous | Medium |
| 10 01 25 wastes from fuel storage and preparation of coal fired power plants | Non-Hazardous | Medium |
| 10 01 26 wastes from cooling water treatment | Non-Hazardous | Medium |
| 10 01 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 10 02 01 wastes from the processing of slag | Non-Hazardous | Medium |
| 10 02 02 unprocessed slag | Non-Hazardous | Medium |
| 10 02 07\* solid wastes from gas treatment containing dangerous substances | Hazardous | High |
| 10 02 08 solid wastes from gas treatment other than those mentioned in 10 02 07 | Non-Hazardous | Medium |
| 10 02 10 mill scales | Non-Hazardous | Medium |
| 10 02 11\* wastes from cooling water treatment containing oil | Hazardous | High |
| 10 02 12 wastes from cooling water treatment other than those mentioned in 10 02 07 | Non-Hazardous | Medium |
| 10 02 13\* sludges and filter cakes from gas treatment containing dangerous substances | Hazardous | High |
| 10 02 14 sludges and filter cake other than those mentioned in 10 02 13 | Non-Hazardous | Medium |
| 10 02 15 other sludges and filter cakes | Non-Hazardous | Medium |
| 10 02 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 10 03 02 anode scraps | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 10 03 04\* primary production slags | Hazardous | High |
| 10 03 05 waste alumina | Non-Hazardous | Medium |
| 10 03 08\* salt slags from secondary production | Hazardous | High |
| 10 03 09\* black drosses from secondary production | Hazardous | High |
| 10 03 15\* skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities | Hazardous | High |
| 10 03 16 skimmings other than those mentioned in 10 03 15 | Non-Hazardous | Medium |
| 10 03 17\* tar-containing wastes from anode manufacture | Hazardous | High |
| 10 03 18 carbon-containing wastes from anode manufacture other than those mentioned in 10 30 17 | Non-Hazardous | Medium |
| 10 03 19\* flue-gas dust containing dangerous substances | Hazardous | High |
| 10 03 20 flue-gas dust other than those mentioned in 10 03 19 | Non-Hazardous | Medium |
| 10 03 21\* other particulates and dust (including ball-mill dust) containing dangerous substances | Hazardous | High |
| 10 03 22 other particulates and dust (including ball-mill dust) other than thosmentioned in 10 03 21 | Non-Hazardous | Medium |
| 10 03 23\* solid wastes from gas treatment containing dangerous substances | Hazardous | High |
| 10 03 24 solid wastes from gas  treatment other then those mentioed in 10 03 23 | Non-Hazardous | Medium |
| 10 03 25\* sludges and filter cakes from gas treatment containing dangerous substances | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 10 03 26 sludges and filter cakes from gas treatment other than those mentioned in 10 03 25 | Non-Hazardous | Medium |
| 10 03 27\* wastes from cooling-water treatment containing oil | Hazardous | High |
| 10 03 28 wastes from cooling-water treatment other than those mentioned in 10 03 27 | Non-Hazardous | Medium |
| 10 03 29\* wastes from treatment of salt slags and black drosses containing dangerous substances | Hazardous | High |
| 10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29 | Non-Hazardous | Medium |
| 10 03 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 04 01\* slag from primary and secondary production | Hazardous | High |
| 10 04 02\* dross and skimmings from primary and secondary production | Hazardous | High |
| 10 04 03\* calcium arsenate | Hazardous | High |
| 10 04 04\* flue-gas dust | Hazardous | High |
| 10 04 05\* other particulates and dust | Hazardous | High |
| 10 04 06\* solid wastes from gas treatment | Hazardous | High |
| 10 04 07\* sludges and filter cakes from gas treatment | Hazardous | High |
| 10 04 09\* wastes from cooling-water treatment containing oil | Hazardous | High |
| 10 04 10 wastes from cooling-water treatment other than those mentioned in 10 04 09 | Non-Hazardous | Medium |
| 10 04 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 05 01 slags from primary and secondary production | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 10 05 03\* flue-gas dust | Hazardous | High |
| 10 05 04 other particulates and dust | Non-Hazardous | Medium |
| 10 05 05\* solid waste from gas treatment | Hazardous | High |
| 10 05 06\* sludges and filter cakes from gas treatment | Hazardous | High |
| 10 05 08\* wastes from cooling water treatment containing oil | Hazardous | High |
| 10 05 09 wastes from cooling water treatment other than those mentioned in 10 05 08 | Non-Hazardous | Medium |
| 10 05 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities | Hazardous | High |
| 10 05 11 dross and skimmings other than those mentioned in 10 05 10 | Non-Hazardous | Medium |
| 10 05 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 06 01 slags from primary and secondary production | Non-Hazardous | Medium |
| 10 06 02 dross and skimmings from primary and secondary production | Non-Hazardous | Medium |
| 10 06 03\* flue-gas dust | Hazardous | High |
| 10 06 04 other particulates and dust | Non-Hazardous | Medium |
| 10 06 06\* solid wastes from gas treatment | Hazardous | High |
| 10 06 07\* sludges and filter cakes from gas treatment | Hazardous | High |
| 10 06 09\* wastes from cooling-water treatment containing oil | Hazardous | High |
| 10 06 10 wastes from cooling-water treatment other than those mentioned in 10 06 09 | Non-Hazardous | Medium |

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| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 10 06 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 07 01 slags from primary and secondary production | Non-Hazardous | Medium |
| 10 07 02 dross and skinnings from primary and secondary production | Non-Hazardous | Medium |
| 10 07 03 solid wastes from gas treatment | Non-Hazardous | Medium |
| 10 07 04 other particulates and dust | Non-Hazardous | Medium |
| 10 07 05 sludges and filter cakes from gas treatment | Non-Hazardous | Medium |
| 10 07 07\* wastes from cooling-water treatment containing oil | Hazardous | High |
| 10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07 | Non-Hazardous | Medium |
| 10 07 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 10 08 04 particulates and dust | Non-Hazardous | Medium |
| 10 08 08\* salt slag from primary and secondary production | Hazardous | High |
| 10 08 09 other slags | Non-Hazardous | Medium |
| 10 08 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities | Hazardous | High |
| 10 08 11 dross and skimmings other than those mentioned in 10 08 10 | Non-Hazardous | Medium |
| 10 08 12\* tar-containing wastes from anode manufacture | Hazardous | High |
| 10 08 13 carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12 | Non-Hazardous | Medium |
| 10 08 14 anode scrap | Non-Hazardous | Medium |

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| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 10 08 15 flue-gas dust containing dangerous substances | Hazardous | High |
| 10 08 16\* flue-gas dust other than those mentioned in 10 08 15 | Non-Hazardous | Medium |
| 10 08 17 sludges and filter cakes from flue-gas treatment containing dangerous substances | Non-Hazardous | Medium |
| 10 08 18\* sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17 | Non-Hazardous | Medium |
| 10 08 19 wastes from cooling-water treatment containing oil | Hazardous | High |
| 10 08 20\* wastes from cooling-water treatment other than those mentioned in 10 08 19 | Non-Hazardous | Medium |
| 10 08 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 09 03 furnace slag | Non-Hazardous | Medium |
| 10 09 05\* casting cores and moulds which have not undergone pouring containing dangerous substances | Hazardous | High |
| 10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05 | Non-Hazardous | Medium |
| 10 09 07\* casting cores and moulds which have undergone pouring containing dangerous substances | Hazardous | High |
| 10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07 | Non-Hazardous | Medium |
| 10 09 09\* flue-gas dust containing dangerous substances | Hazardous | High |
| 10 09 10 flue-gas dust other than those mentioned in 10 09 09 | Non-Hazardous | Medium |
| 10 09 11\* other particulates containing dangerous substances | Hazardous | High |

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| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 10 09 12 other particulates other than those mentioned in 10 09 11 | Non-Hazardous | Medium |
| 10 09 13\* waste binders containing dangerous substances | Hazardous | High |
| 10 09 14 waste binders other than those mentioned in 10 09 13 | Non-Hazardous | Medium |
| 10 09 15\* waste crack-indicating agent containing dangerous substances | Hazardous | High |
| 10 09 16 waste crack indicating  substances other than those mentioned in 10 09 15 | Non-Hazardous | Medium |
| 10 09 99 waste not otherwise specified | Non-Hazardous | High |
| 10 10 03 furnace slag | Non-Hazardous | Medium |
| 10 10 05\* casting cores and moulds which have not undergone pouring, containing dangerous substances | Hazardous | High |
| 10 10 06 casting cores and moulds which have not undegone pouring other than those mentioned in 10 10 05 | Non-Hazardous | Medium |
| 10 10 07\* casting cores and moulds which have undergone pouring, containing dangerous substances | Hazardous | High |
| 10 10 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 10 07 | Non-Hazardous | Medium |
| 10 10 09\* flue-gas dust containing dangerous substances | Hazardous | High |
| 10 10 10 flue-gas dust other than those mentioned in 10 10 09 | Non-Hazardous | Medium |
| 10 10 11\* other particulates containing dangerous substances | Hazardous | High |
| 10 10 12 other particulates other than those mentioned on 10 10 10 | Non-Hazardous | Medium |
| 10 10 13\* waste binders containing dangerous substances | Hazardous | High |

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| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 10 10 14 waste binders other than those mentioned in 10 10 13 | Non-Hazardous | Medium |
| 10 10 15\* waste crack-indicating agent containing dangerous substances | Hazardous | High |
| 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15 | Non-Hazardous | Medium |
| 10 10 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 11 03 waste glass-based fibrous materials | Inert | Low |
| 10 11 05 particulates and dust | Non-Hazardous | Medium |
| 10 11 09\* waste preparation mixture before thermal processing, containing dangerous substances | Hazardous | High |
| 10 11 10 waste preparation mixture before thermal processing other than those mentioned in 10 11 09 | Non-Hazardous | Medium |
| 10 11 11\* waste glass in small particles and glass powder containing metals (e.g cathode ray tubes) | Hazardous | High |
| 10 11 12 waste glass other than those mentioned in 10 11 11 | Non-Hazardous | Medium |
| 10 11 13\* glass-polishing and grinding sludge containing dangerous substances | Hazardous | High |
| 10 11 14 glass-polishing and grinding sludge other than those mentioned in 10 11 13 | Non-Hazardous | Medium |
| 10 11 15\* solid wastes from flue-gas treatment containing dangerous substances | Hazardous | High |
| 10 11 16 solid wastes from flue-gas treatment other than those mentioned in 10 11 15 | Non-Hazardous | Medium |
| 10 11 17\* sludges and filter cakes from flue-gas treatment containing dangerous substances | Hazardous | High |

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| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 10 11 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17 | Non-Hazardous | Medium |
| 10 11 19\* solid wastes from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 10 11 20 solid wastes from on-site effluent treatment other than those  mentioned in 10 11 19 | Non-Hazardous | Medium |
| 10 11 99 wastes not otherwise specified | Non-Hazardous | High |
| 10 12 01 waste preparation mixture before thermal processing | Non-Hazardous | Medium |
| 10 12 03 particulates and dust | Non-Hazardous | Medium |
| 10 12 05 sludges and filter cakes from gas treatment | Non-Hazardous | Medium |
| 10 12 06 discarded moulds | Non-Hazardous | Medium |
| 10 12 08 waste ceramics, bricks, tiles and construction products (after thermal processing) | Non-Hazardous | Medium |
| 10 12 09\* solid wastes from gas treatment containing dangerous substances | Hazardous | High |
| 10 12 10 solid waste from gas treatment other than those mentioned in 10 12 09 | Non-Hazardous | Medium |
| 10 12 11\* wastes from glazing containing heavy metals | Hazardous | High |
| 10 12 12 wastes from glazing other than those mentioned in 10 12 11 | Non-Hazardous | Medium |
| 10 12 13 sludge from on-site effluent treatment | Non-Hazardous | Medium |
| 10 12 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 10 13 01 waste preparation mixture before thermal processing | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 10 13 04 wastes from calcination and hydration of lime | Non-Hazardous | Medium |
| 10 13 06 particulates and dust (except  10 13 12 and 10 13 13) | Non-Hazardous | Medium |
| 10 13 07 sludges and filter cakes from gas treatment | Non-Hazardous | Medium |
| 10 13 09\* wastes from asbestos-cement manufacture containing asbestos | Hazardous | High |
| 10 13 10 wastes from asbestos-cement manufacture other than those mentioned in 10 13 09 | Non-Hazardous | Medium |
| 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10 | Non-Hazardous | Medium |
| 10 13 12\* solid wastes from gas treatment containing dangerous substances | Hazardous | High |
| 10 13 13 solid wastes from gas treatment other than those mentioned in 10 13 12 | Non-Hazardous | Medium |
| 10 13 14 waste concrete and concrete sludge | Non-Hazardous | Medium |
| 10 13 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 10 14 01\* waste from gas cleaning containing mercury | Hazardous | High |
| 11 01 05\* pickling acids | Hazardous | High |
| 11 01 06\* acids not otherwise specified | Hazardous | High |
| 11 01 07\* pickling bases | Hazardous | High |
| 11 01 08\* phosphatising sludges | Hazardous | High |
| 11 01 09\* sludges and filter cakes containing dangerous substances | Hazardous | High |
| 11 01 10 sludges and filter cakes other than those mentioned in 11 01 09 | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 11 01 11\* aqueous rinsing liquids containing dangerous substances | Hazardous | High |
| 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11 | Non-Hazardous | Medium |
| 11 01 13\* degreasing wastes containing dangerous substances | Hazardous | High |
| 11 01 14 degreasing wastes other than those mentioned in 11 01 13 | Non-Hazardous | Medium |
| 11 01 15\* eluate and sludges from membrane systems or ion exchange systems containing dangerous substances | Hazardous | High |
| 11 01 16\* saturated or spent ion exchange resins | Hazardous | High |
| 11 01 98\* other wastes containing dangerous substances | Hazardous | High |
| 11 01 99\* waste not otherwise specified | Hazardous | High |
| 11 02 02\* sludges from zinc hydrometallurgy (including jarosite, goethite) | Hazardous | High |
| 11 02 03 wastes from production of anodes for aqueous electrolytical processes | Non-Hazardous | Medium |
| 11 02 05\* wastes from copper hydrometallurgy processes containing  dangerous substances | Hazardous | High |
| 11 02 06 wastes from copper hydrometallurgy processes other than those mentioned in 11 02 05 | Non-Hazardous | Medium |
| 11 02 07\* other wastes containing dangerous substances | Hazardous | High |
| 11 02 99 wastes not otherwise specified | Non-Hazardous | High |
| 11 03 01\* wastes containing cyanide | Hazardous | High |
| 11 03 02\* other wastes | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 11 05 01 hard zinc | Non-Hazardous | Medium |
| 11 05 02 zinc ash | Non-Hazardous | Medium |
| 11 05 03\* solid wastes from gas treatment | Hazardous | High |
| 11 05 04\* spent flux | Hazardous | High |
| 11 05 99 wastes not otherwise specified | Non-Hazardous | High |
| 12 01 01 ferrous metal filings and turnings | Non-Hazardous | Medium |
| 12 01 02 ferrous metal dust and particles | Non-Hazardous | Medium |
| 12 01 03 non-ferrous metal filings and turnings | Non-Hazardous | Medium |
| 12 01 04 non-ferrous metal dust and particles | Non-Hazardous | Medium |
| 12 01 05 plastic shavings and turnings | Non-Hazardous | Medium |
| 12 01 06\* mineral-based machining oils containing halogens (except emulsions and solutions) | Hazardous | High |
| 12 01 07\* mineral-based machining oils free of halogens (except emulsions and solutions) | Hazardous | High |
| 12 01 08\* machining emulsions and solutions containing halogens | Hazardous | High |
| 12 01 09\* machining emulsions and solutions free of halogens | Hazardous | High |
| 12 01 10\* synthetic machining oils | Hazardous | High |
| 12 01 12\* spent waxes and fats | Hazardous | High |
| 12 01 13 welding wastes | Non-Hazardous | Medium |
| 12 01 14\* machining sludges containing dangerous substances | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 12 01 15 machining sludges other than those mentioned in 12 01 14 | Non-Hazardous | Medium |
| 12 01 16\* waste blasting material containing dangerous substances | Hazardous | High |
| 12 01 17 waste blasting materials other than those mentioned in 12 01 16 | Non-Hazardous | Medium |
| 12 01 18\* metal sludge (grinding, honing and lapping sludge) containing oil | Hazardous | High |
| 12 01 19\* readily biodegradable machining oil | Hazardous | High |
| 12 01 20\* spent grinding bodies and grinding materials containing dangerous substances | Hazardous | High |
| 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20 | Non-Hazardous | Medium |
| 12 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 12 03 01\* aqueous washing liquids | Hazardous | High |
| 12 03 02\* steam degreasing wastes | Hazardous | High |
| 13 01 01\* hydraulic oils, containing  PCB's | Hazardous | High |
| 13 01 04\* chlorinated emulsions | Hazardous | High |
| 13 01 05\* non-chlorinated emulsions | Hazardous | High |
| 13 01 09\* mineral-based chlorinated hydraulic oils | Hazardous | High |
| 13 01 10\* mineral-based non-chlorinated hydraulic oils | Hazardous | High |
| 13 01 11\* synthetic hydraulic oils | Hazardous | High |
| 13 01 12\* readily biodegradable hydraulic oils | Hazardous | High |
| 13 01 13\* other hydraulic oils | Hazardous | High |
| 13 02 04\* mineral-based chlorinated | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| engine, gear and lubricating oils |  |  |
| 13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils | Hazardous | High |
| 13 02 06\* synthetic engine, gear and lubricating oils | Hazardous | High |
| 13 02 07\* readily biodegradable engine, gear and lubricating oils | Hazardous | High |
| 13 02 08\* other engine, gear and lubricating oils | Hazardous | High |
| 13 03 01\* insulating or heat transmission oils containing PCB's | Hazardous | High |
| 13 03 06\* mineral-based chlorinated insulating and heat transmission oils other  than those mentioned in 13 03 01 | Hazardous | High |
| 13 03 07\* mineral-based non-chlorinated insulating and heat transmission oils | Hazardous | High |
| 13 03 08\* synthethic insulating and heat transmission oils | Hazardous | High |
| 13 03 09\* readily biodegradable insulating and heat transmission oils | Hazardous | High |
| 13 03 10\* other insulating and heat transmission oils | Hazardous | High |
| 13 04 01\* bilge oils from inland navigation | Hazardous | High |
| 13 04 02\* bilge oils from jetty sewers | Hazardous | High |
| 13 04 03\* bilge oils from other navigation | Hazardous | High |
| 13 05 01\* solids from grit chambers and oil/water separators | Hazardous | High |
| 13 05 02\* sludges from oil/water separators | Hazardous | High |
| 13 05 03\* interceptor sludges | Hazardous | High |
| 13 05 06\* oil from oil/water separators | Hazardous | High |
| 13 05 07\* oily water from oil/water | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| separators |  |  |
| 13 05 08\* mixtures of wastes from grit chambers and oil/water separators | Hazardous | High |
| 13 07 01\* fuel oil and diesel | Hazardous | High |
| 13 07 02\* petrol | Hazardous | High |
| 13 07 03\* other fuels (including mixtures) | Hazardous | High |
| 13 08 01\* desaltersludges or emulsions | Hazardous | High |
| 13 08 02\* other emulsions | Hazardous | High |
| 13 08 99\* wastes not otherwise specified | Hazardous | High |
| 14 06 01\* chloroflourocarbons, HCFC,  HFC | Hazardous | High |
| 14 06 02\* other halogenated solvents and solvent mixtures | Hazardous | High |
| 14 06 03\* other solvents and solvent mixtures | Hazardous | High |
| 14 06 04\* sludges or solid wastes containing halogenated solvents | Hazardous | High |
| 14 06 05\* sludges or solid wastes containing other solvents | Hazardous | High |
| 15 01 01 paper and cardboard packaging | Non-Hazardous | Medium |
| 15 01 02 plastic packaging | Non-Hazardous | Medium |
| 15 01 03 wooden packaging | Non-Hazardous | Medium |
| 15 01 04 metallic packaging | Non-Hazardous | Medium |
| 15 01 05 composite packaging | Non-Hazardous | Medium |
| 15 01 06 mixed packaging | Non-Hazardous | Medium |
| 15 01 07 glass packaging | Inert | Low |
| 15 01 09 textile packaging | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 15 01 10\* packaging containing residues of or contaminated by dangerous substances | Hazardous | High |
| 15 01 11\* metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers | Hazardous | High |
| 15 02 02\* absorbents, filter materials (including oil filters not otherwise specified) wiping cloths, protective clothing contaminated by dangerous substances | Hazardous | High |
| 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other  than those mentioned in 15 02 02 | Non-Hazardous | Medium |
| 16 01 03 end-of-life tyres | Non-Hazardous | Medium |
| 16 01 04\* end-of-life vehicles | Hazardous | High |
| 16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components | Non-Hazardous | Medium |
| 16 01 07\* oil filters | Hazardous | High |
| 16 01 08\* components containing mercury | Hazardous | High |
| 16 01 09\* components containing PCB's | Hazardous | High |
| 16 01 10\* explosive components (e.g. air bags) | Hazardous | High |
| 16 01 11\* brake pads containing asbestos | Hazardous | High |
| 16 01 12 brake pads other than those mentioned in 16 01 11 | Non-Hazardous | Medium |
| 16 01 13\* brake fluids | Hazardous | High |
| 16 01 14\* antifreeze fluids containing dangerous substances | Hazardous | High |
| 16 01 15 antifreeze fluids other than those mentioned in 16 01 14 | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 16 01 16 tanks for liquefied gas | Non-Hazardous | Medium |
| 16 01 17 ferrous metal | Non-Hazardous | Low |
| 16 01 18 non-ferrous metal | Non-Hazardous | Low |
| 16 01 19 plastic | Non-Hazardous | Medium |
| 16 01 20 glass | Non-Hazardous | Medium |
| 16 01 21\* hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14 | Hazardous | High |
| 16 01 22 components not otherwise specified | Non-Hazardous | Medium |
| 16 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 16 02 09\* transformers and capacitors containing PCB's | Hazardous | High |
| 16 02 10\* discarded equipment containing or contaminated by PCB's other than those mentioned in 16 02 09 | Hazardous | High |
| 16 02 11\* discarded equipment containing chloroflourocarbons, HCFC, HFC | Hazardous | High |
| 16 02 12\* discarded equipment containing free asbestos | Hazardous | High |
| 16 02 13\* discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12 | Hazardous | High |
| 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13 | Non-Hazardous | Medium |
| 16 02 15\* hazardous components removed from discarded equipment | Hazardous | High |
| 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15 | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 16 03 03\* inorganic wastes containing dangerous substances | Hazardous | High |
| 16 03 04 inorganic wastes other than those mentioned in 16 03 03 | Non-Hazardous | Medium |
| 16 03 05\* organic wastes containing dangerous substances | Hazardous | High |
| 16 03 06 organic wastes other than those mentioned in 16 03 05 | Non-Hazardous | Medium |
| 16 04 01\* waste ammunition | Hazardous | High |
| 16 04 02\* fireworks wastes | Hazardous | High |
| 16 04 03\* other waste explosives | Hazardous | High |
| 16 05 04\* gases in pressure containers(including halons) containing dangerous substances | Hazardous | High |
| 16 05 05 gases in pressure containers other than those mentioned in 16 05 04 | Non-Hazardous | Medium |
| 16 05 06\* laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals | Hazardous | High |
| 16 05 07\* discarded inorganic chemicals consisting of or containing dangerous substances | Hazardous | High |
| 16 05 08\* discarded organic chemicals consisting of or containing dangerous substances | Hazardous | High |
| 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08 | Non-Hazardous | Medium |
| 16 06 01\* lead batteries | Hazardous | High |
| 16 06 02\* Ni-Cd batteries | Hazardous | High |
| 16 06 03\* mercury-containing batteries | Hazardous | High |
| 16 06 04 alkaline batteries | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 16 06 05 other batteries and accumulators | Non-Hazardous | Medium |
| 16 06 06\* separately collected electrolyte from batteries and accumulators | Hazardous | High |
| 16 07 08\* wastes containing oil | Hazardous | High |
| 16 07 09\* wastes containing other dangerous substances | Hazardous | High |
| 16 07 99 wastes not otherwise specified | Non-Hazardous | High |
| 16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07) | Non-Hazardous | Medium |
| 16 08 02\* spent catalysts containing dangerous transition metals or dangerous transition metal compounds | Hazardous | High |
| 16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified | Non-Hazardous | Medium |
| 16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07) | Non-Hazardous | Medium |
| 16 08 05\* spent catalysts containing phosphoric acid | Hazardous | High |
| 16 08 06\* spent liquids used as catalysts | Hazardous | High |
| 16 08 07\* spent catalysts contaminated with dangerous substances | Hazardous | High |
| 16 09 01\* permanganates, e.g.  potassium permanganates | Hazardous | High |
| 16 09 02\* chromates, e.g. potassium chromate, potassium or sodium dichromate | Hazardous | High |
| 16 09 03\* peroxides, e.g. hydrogen peroxide | Hazardous | High |
| 16 09 04\* oxidising substances not otherwise specified | Hazardous | High |
| 16 10 01\* aqueous liquid wastes containing dangerous substances | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01 | Non-Hazardous | Medium |
| 16 10 03\* aqueous concentrates containing dangerous substances | Hazardous | High |
| 16 10 04 aqueous concentrates other than those mentioned in 16 10 03 | Non-Hazardous | Medium |
| 16 11 01\* carbon-based linings and refractories from metallurgical processes containing dangerous substances | Hazardous | High |
| 16 11 02 carbon-based linings and refractories from metallurgical processes other than those mentioned in 16 11 01 | Non-Hazardous | Medium |
| 16 11 03\* other linings and refractories from metallurgical processes containing dangerous substances | Hazardous | High |
| 16 11 04 other linings and refractories from metallurgaical processes other than those mentioned in 16 11 03 | Non-Hazardous | Medium |
| 16 11 05\* linings and refractories from non-metallurgical processes containing dangerous substances | Hazardous | High |
| 16 11 06 linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05 | Non-Hazardous | Medium |
| 17 01 01 concrete | Non-Hazardous | Medium |
| 17 01 02 bricks | Inert | Low |
| 17 01 03 tiles and ceramics | Inert | Low |
| 17 01 06\* mixtures of, or separate fractions of concrete, bricks tiles and ceramics containing dangerous substances | Hazardous | High |
| 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06 | Inert | Low |
| 17 02 01 wood | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 17 02 02 glass | Inert | Low |
| 17 02 03 plastic | Non-Hazardous | Medium |
| 17 02 04\* glass, plastic and wood containing or contaminated with substances | Hazardous | High |
| 17 03 01\* bituminous mixtures containing coal tar | Hazardous | High |
| 17 03 02 bituminous mixtures other than those mentioned in 17 03 01 | Non-Hazardous | Medium |
| 17 03 03\* coal tar and tarred products | Hazardous | High |
| 17 04 01 copper, bronze, brass | Non-Hazardous | Low |
| 17 04 02 aluminium | Non-Hazardous | Low |
| 17 04 03 lead batteries | Non-Hazardous | Medium |
| 17 04 04 zinc | Non-Hazardous | Low |
| 17 04 05 iron and steel | Non-Hazardous | Low |
| 17 04 06 tin | Non-Hazardous | Low |
| 17 04 07 mixed metals | Non-Hazardous | Low |
| 17 04 09\* metal waste contaminated with dangerous substances | Hazardous | High |
| 17 04 10\* cables containing oil, coal tar and other dangerous substances | Hazardous | High |
| 17 04 11 cables other than those mentioned in 17 04 10 | Non-Hazardous | Medium |
| 17 05 03\* soil and stones containing dangerous substances | Hazardous | High |
| 17 05 04 soil and stones other than those mentioned in 17 05 03 | Inert | Low |
| 17 05 05\* dredging spoil containing dangerous substances | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| 17 05 06 dredging spoil other than those mentioned in 17 05 05 | Non-Hazardous | Medium |
| 17 05 07\* track ballast containing dangerous substances | Hazardous | High |
| 17 05 08 track ballast other than those mentioned in 17 05 07 | Non-Hazardous | Medium |
| 17 06 01\* insulating materials containing asbestos | Hazardous | High |
| 17 06 03\* other insulating materials consisting of or containing dangerous materials | Hazardous | High |
| 17 06 04 insulating materials other than those mentioned in 17 06 01 and 17 06 03 | Non-Hazardous | Medium |
| 17 06 05\* construction materials containing asbestos | Hazardous | High |
| 17 08 01\* gypsum-based construction materials contaminated with dangerous substances | Hazardous | High |
| 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01 | Non-Hazardous | Medium |
| 17 09 01\* construction and demolition wastes containing mercury | Hazardous | High |
| 17 09 02\* construction and demolition wastes containing PCB (e.g. PCBcontaining sealants, PCB-containing resin based floorings, PCB-containing sealed glazing units, PCB-containing capacitors | Hazardous | High |
| 17 09 03\* other construction and demolition wastes (including mixed wastes) containing dangerous substances | Hazardous | High |
| 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 | Non-Hazardous | Medium |
| 18 01 01 sharps (except 18 01 03) | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 18 01 02 body parts and organs  including blood bags and blood preserves (except 18 01 03) | Non-Hazardous | Medium |
| 18 01 03\* wastes whose collection and  disposal is subject to special  requirements in order to prevent infection (e.g. dressings, plaster casts, linen, disposable clothing, nappies) | Hazardous | High |
| 18 01 04 wastes whose collection and disposal is not subject to special requirements in order to prevent infection | Non-Hazardous | Medium |
| 18 01 06\* chemicals consisting of or containing dangerous substances | Hazardous | High |
| 18 01 07 chemicals other than those mentioned in 18 01 06 | Non-Hazardous | Medium |
| 18 01 08\* cytotoxic and cytstatic medicines | Hazardous | High |
| 18 01 09 medicines other than those mentioned in 18 01 08 | Non-Hazardous | Medium |
| 18 01 10\* amalgam waste from dental care | Hazardous | High |
| 18 02 01 sharps (except 18 02 02) | Non-Hazardous | Medium |
| 18 02 02\* wastes whose collection and  disposal is subject to special  requirements in order to prevent infection | Hazardous | High |
| 18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection | Non-Hazardous | Medium |
| 18 02 05\* chemicals consisting of or containing dangerous substances | Hazardous | High |
| 18 02 06 chemicals other than those mentioned in 18 02 05 | Non-Hazardous | Medium |
| 18 02 07\* cytotoxic and cytostatic medicines | Hazardous | High |
| 18 02 08 medicines other than those mentioned in 18 02 07 | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 19 01 02 ferrous materials removed from bottom ash | Non-Hazardous | Medium |
| 19 01 05\* filter cake from gas treatment | Hazardous | High |
| 19 01 06\* aqueous liquid wastes from gas treatment and other aqueous liquid wastes | Hazardous | High |
| 19 01 07\* solid wastes from gas treatment | Hazardous | High |
| 19 01 10\* spent activated carbon from flue-gas treatment | Hazardous | High |
| 19 01 11\* bottom ash and slag containing dangerous substances | Hazardous | High |
| 19 01 12 bottom ash and slag other than those mentioned in 19 01 11 | Non-Hazardous | Medium |
| 19 01 13\* fly ash containing dangerous substances | Hazardous | High |
| 19 01 14 fly ash other than those mentioned in 19 01 13 | Non-Hazardous | Medium |
| 19 01 15\* boiler dust containing dangerous substances | Hazardous | High |
| 19 01 16 boiler dust other then those mentioned in 19 01 15 | Non-Hazardous | Medium |
| 19 01 17\* pyrolysis wastes containing dangerous substances | Hazardous | High |
| 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17 | Non-Hazardous | Medium |
| 19 01 19 sands from fluidised beds | Non-Hazardous | Medium |
| 19 01 99 wastes not otherwise specified | Non-Hazardous | High |
| 19 02 03 premixed wastes composed only of non-hazardous wastes | Non-Hazardous | Medium |
| 19 02 04\* premixed wastes composed of at least one hazardous waste | Hazardous | High |
| 19 02 05\* sludges from physico/chemical | Hazardous | High |

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| EWC description | Waste  Classification | Charging  Classification |
| treatment containing substances |  |  |
| 19 02 06 sludges from physici/chemical treatment other than those mentioned in 19 02 05 | Non-Hazardous | Medium |
| 19 02 07\* oil and concentrates from separation | Hazardous | High |
| 19 02 08\* liquid combustible wastes containing dangerous substances | Hazardous | High |
| 19 02 09\* solid combustible wastes containing dangerous substances | Hazardous | High |
| 19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09 | Non-Hazardous | Medium |
| 19 02 11\* other wastes containing dangerous substances | Hazardous | High |
| 19 02 99 wastes not otherwise mentioned | Non-Hazardous | High |
| 19 03 04\* wastes marked as hazardous, partly stabilised | Hazardous | High |
| 19 03 05 stabilised wastes other than those mentioned in 19 03 04 | Non-Hazardous | Medium |
| 19 03 06\* wastes marked as hazardous, solidified | Hazardous | High |
| 19 03 07 solidified wastes other than those mentioned in 19 03 06 | Non-Hazardous | Medium |
| 19 04 01 vitrified waste | Non-Hazardous | Medium |
| 19 04 02\* fly ash and other flue-gas treatment wastes | Hazardous | High |
| 19 04 03\* non-vitrified solid phase | Hazardous | High |
| 19 04 04 aqueous liquid wastes from vitrified waste tempering | Non-Hazardous | Medium |
| 19 05 01 non-composted fraction of municipal and similar wastes | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 19 05 02 non-composted fraction of animal and vegetable wastes | Non-Hazardous | Medium |
| 19 05 03 off-specification compost | Non-Hazardous | Medium |
| 19 05 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 19 06 03 liquor from anaerobic treatment of municipal waste | Non-Hazardous | Medium |
| 19 06 04 digestate from anaerobic treatment of municipal waste | Non-Hazardous | Medium |
| 19 06 05 liquor from anaerobic treatment of animal and vegetable waste | Non-Hazardous | Medium |
| 19 06 06 digestate from anaerobic treatment of animal and vegetable waste | Non-Hazardous | Medium |
| 19 06 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 19 07 02\* landfill leachate containing dabgerous substances | Hazardous | High |
| 19 07 03 landfill leachate other than those mentioned in 19 07 02 | Non-Hazardous | Medium |
| 19 08 01 screenings | Non-Hazardous | Medium |
| 19 08 02 waste from desanding | Non-Hazardous | Medium |
| 19 08 05 sludges from treatment of urban waste water | Non-Hazardous | Medium |
| 19 08 06\* saturated or spent ion exchange resins | Hazardous | High |
| 19 08 07\* solutions and sludges from regeneration of ion exchangers 19 08 08\* membrane system waste containing heavy metals | Hazardous | High |
| 19 08 08\* membrane system waste containing heavy metals | Hazardous | High |
| 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 19 08 10\* grease and oil mixture from oil/water separation other than those  mentioned in 19 08 09 | Hazardous | High |
| 19 08 11\* sludges containing dangerous substances from biological treatment of industrial water | Hazardous | High |
| 19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11 | Non-Hazardous | Medium |
| 19 08 13\* sludges containing dangerous substances from other treatment of industrial waste water | Hazardous | High |
| 19 08 14 sludges from other treatment of industrial waste water other than those mentioned in 19 08 13 | Non-Hazardous | Medium |
| 19 08 99 wastes not otherwise specified | Non-Hazardous | High |
| 19 09 01 solid wastes from primary filtration and screenings | Non-Hazardous | Medium |
| 19 09 02 sludges from water clarification | Non-Hazardous | Medium |
| 19 09 03 sludges from decarbonation | Non-Hazardous | Medium |
| 19 09 04 spent activated carbon | Non-Hazardous | Medium |
| 19 09 05 saturated or spent ion exchange resins | Non-Hazardous | Medium |
| 19 09 06 solutions and sludges from regeneration of ion exchangers | Non-Hazardous | Medium |
| 19 09 99 wastes not otherwise specified | Non-Hazardous | Medium |
| 19 10 01 iron and steel waste | Non-Hazardous | Medium |
| 19 10 02 non-ferrous waste | Non-Hazardous | Medium |
| 19 10 03\* fluff-light fraction and dust containing dangerous substances | Hazardous | High |
| 19 10 04 fluff-light fraction and dust other than those mentioned on 19 10 03 | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 19 10 05\* other fraction containing dangerous substances | Hazardous | High |
| 19 10 06 other fraction other than those mentioned in 19 10 05 | Non-Hazardous | Medium |
| 19 11 01\* spent filter clays | Hazardous | High |
| 19 11 02\* acid tars | Hazardous | High |
| 19 11 03\* aqueous liquid wastes | Hazardous | High |
| 19 11 04\* wastes from cleaning of fuels with bases | Hazardous | High |
| 19 11 05\* sludges from on-site effluent treatment containing dangerous substances | Hazardous | High |
| 19 11 06 sludges from on-site effluent treatment other than those mentioned in 19 11 05 | Non-Hazardous | Medium |
| 19 11 07\* wastes from flue-gas cleaning | Hazardous | High |
| 19 11 99 wastes not otherwise specified | Non-Hazardous | High |
| 19 12 01 paper and cardboard | Non-Hazardous | Medium |
| 19 12 02 ferrous metal | Non-Hazardous | Low |
| 19 12 03 non-ferrous metal | Non-Hazardous | Low |
| 19 12 04 plastic and rubber | Non-Hazardous | Medium |
| 19 12 05 glass | Non-Hazardous | Medium |
| 19 12 06\* wood containing dangerous substances | Hazardous | High |
| 19 12 07 wood other than that mentioned in 19 12 06 | Non-Hazardous | Medium |
| 19 12 08 textiles | Non-Hazardous | Medium |
| 19 12 09 minerals (e.g. sand, stones) | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 19 12 10 combustible waste (refuse derived fuel) | Non-Hazardous | Medium |
| 19 12 11\* other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances | Hazardous | High |
| 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11 | Non-Hazardous | Medium |
| 19 13 01\* solid wastes from soil remediation containing dangerous substances | Hazardous | High |
| 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01 | Non-Hazardous | Medium |
| 19 13 03\* sludges from soil remediation containing dangerous substances | Hazardous | High |
| 19 13 04 sludges from soil remediation other than those mentioned in 19 13 03 | Non-Hazardous | Medium |
| 19 13 05\* sludges from groundwater remediation containing dangerous substances | Hazardous | High |
| 19 13 06 sludges from groundwater remediation other than those mentioned on 19 13 05 | Non-Hazardous | Medium |
| 19 13 07\* aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances | Hazardous | High |
| 19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07 | Non-Hazardous | Medium |
| 20 01 01 paper and cardboard | Non-Hazardous | Medium |
| 20 01 02 glass | Inert | Low |
| 20 01 08 biodegradable kitchen and canteen waste | Non-Hazardous | Medium |

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| EWC description | Waste  Classification | Charging  Classification |
| 20 01 10 clothes | Non-Hazardous | Medium |
| 20 01 11 textiles | Non-Hazardous | Medium |
| 20 01 13\* solvents | Hazardous | High |
| 20 01 14\* acids | Hazardous | High |
| 20 01 15\* alkalines | Hazardous | High |
| 20 01 17\* photochemicals | Hazardous | High |
| 20 01 19\* pesticides | Hazardous | High |
| 20 01 21\* flourescent tubes and other mercury-containing waste | Hazardous | High |
| 20 01 23\* discarded equipment containing chloroflourocarbons | Hazardous | High |
| 20 01 25 edible oil and fat | Non-Hazardous | Medium |
| 20 01 26\* oil and fat other than those mentioned in 20 01 25 | Hazardous | High |
| 20 01 27\* paint, inks, adhesives and resins containing dangerous substances | Hazardous | High |
| 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27 | Non-Hazardous | Medium |
| 20 01 29\* detergents containing dangerous substances | Hazardous | High |
| 20 01 30 detergents other than those mentioned in 20 01 29 | Non-Hazardous | Medium |
| 20 01 31\* cytotoxic and cytostatic medicines | Hazardous | High |
| 20 01 32 medicines other than those mentioned in 20 01 31 | Non-Hazardous | Medium |
| 20 01 33\* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06  03 and unsorted batteries and accumulators containing these batteries | Hazardous | High |

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| --- | --- | --- |
| EWC description | Waste  Classification | Charging  Classification |
| 20 01 34 batteries and accumulators other than those mentioned in 20 01 33 | Non-Hazardous | Medium |
| 20 01 35\* discarded electrical and electroinc equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components | Hazardous | High |
| 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 | Non-Hazardous | Medium |
| 20 01 37\* wood containing dangerous substances | Hazardous | High |
| 20 01 38 wood other than that mentioned on 20 01 37 | Non-Hazardous | Medium |
| 20 01 39 plastics | Non-Hazardous | Medium |
| 20 01 40 metals | Non-Hazardous | Low |
| 20 01 41 wastes from chimney sweeping | Non-Hazardous | Medium |
| 20 01 99 other fractions not otherwise specified | Non-Hazardous | Medium |
| 20 02 01 biodegradable waste | Non-Hazardous | Medium |
| 20 02 02 soil and stones | Inert | Low |
| 20 02 03 other non-biodegradable wastes | Non-Hazardous | Medium |
| 20 03 01 mixed municipal waste | Non-Hazardous | Medium |
| 20 03 02 waste from markets | Non-Hazardous | Medium |
| 20 03 03 street-cleaning residues | Non-Hazardous | Medium |
| 20 03 04 septic tank sludge | Non-Hazardous | Medium |
| 20 03 06 waste from sewage cleaning | Non-Hazardous | Medium |
| 20 03 07 bulky waste | Non-Hazardous | Medium |
| EWC description | Waste  Classification | Charging  Classification |
| 20 03 99 municipal wastes not otherwise specified | Non-Hazardous | Medium |

1. IPPC H1 - Horizontal Guidance Note : Assessment & Appraisal of BAT [↑](#footnote-ref-1)
2. For Marine Cage Fish Farm SPRI returns for Nitrogen. The SPRI calculation uses a formula based on previous work. We have reduced the nitrogen released by 23%. The longer term solution will be to refine the SPRI calculation for future submissions.

   [↑](#footnote-ref-2)